CATALOGUE

OF

TENDER PLANTS

GROWN AT

HORTICULTURAL HALL

FAIRMOUNT PARK

PHILADELPHIA

PUBLISHED BY
THE COMMISSIONERS OF FAIRMOUNT PARK.

Ex Libris

The Pennsylvania

Horticultural Society

PRESENTED BY

Charles W. Rogers

Digitized by the Internet Archive
in 2011 with funding from
LYRASIS Members and Sloan Foundation

http://www.archive.org/details/catalogueoftende00fair

THE SUNKEN GARDEN.

COLEUS, ALTERNANTHERA, STEVIA, PELARGONIUMS AND OTHER TENDER PLANTS OUT OF DOORS.

CATALOGUE

OF

TENDER PLANTS

GROWN AT

HORTICULTURAL HALL

FAIRMOUNT PARK

PHILADELPHIA

PUBLISHED BY
THE COMMISSIONERS OF FAIRMOUNT PARK.

D. Col.
SCHR
PAS
P5447

CONTENTS.

	PAGE
Cactus and other Succulents	4
Orchids	15
Bromeliads or Pineapples	27
Palms	30
Cycads	35
Ferns and Selaginellas	37
General Collection	46

12499
PPHOR
12499

HISTORICAL INTRODUCTION.

Horticultural Hall was built in 1876 at a cost of approximately $300,000, and while forming a portion of the Centennial Exposition was designed to house permanently a collection of rare or beautiful plants for the enjoyment of the people of Philadelphia. It marked an epoque in American horticulture and excelled both in the size of the building and elaboration of the surrounding gardens anything of the sort in this country.

To accomodate the rapid growing Palms, the roof was raised ten feet in 1887 and entirely glazed. In 1893 the East End Exhibition Room was fitted up to receive the Carpenter collection of Camellias and other temperate climate plants. In 1905 the Cactus House was built to house donations of these plants received from Mr. Cuyler of the Park Commission and Governor Brodie of Arizona, and in the ensuing year the north and south vestibules were turned into plant houses. The propagating greenhouses were built from time to time in the intervening years to meet the increasing needs of the Park.

The collecton of plants has kept pace with the development of the building, but the increase has been particularly marked in the Orchid and Succulent sections which now include nearly 400 species or varieties of the former and 350 of the latter. The number of bedding plants raised for the decoration of the various sections of Fairmount and Hunting Parks now exceeds 450,000 a year exclusive of 3500 Chrysanthemums and thousands of Lilies, Cinerarias, etc., grown for the fall and spring exhibition in the greenhouses. As the cash value of these bedding plants alone is equal to the entire appropriation for the maintenance of Horticultural Hall and its 30 acres of gardens its usefulness to the city may be realized.

Much has been accomplished, but even wider fields of usefulness should lie ahead in the next three decades.

CACTUS AND OTHER SUCCULENTS.

These plants are structurally adapted by their heavy spongy stems and thick epidermal walls to store up moisture and conserve it from loss by transpiration, points of vital importance in the desert regions where they are found. The Cactus House is planned to reproduce in some measure the weird appearance of such desert scenes where the clumsy leafless vegetation springs from the barren soil. Of the plants displayed here the larger number are true Cacteae. These are chiefly indigenous to Mexico and the Southwestern United States where they produce extensive "cardon forests". The group Euphorbiaceae plays a similar role in the African deserts. Though resembling the Cacteae in general appearance the stems of Euphorbias are usually triangular or round while those of the Cactus are many angled.

The Amaryllis family also contributes in the Agaves or "Century Plants" of our American deserts many succulents, some of them very beautiful in their soft blue-grey coloring; and again in the Aloes of Europe and Africa we find a group of plants closely resembling them in appearance though belonging to the Lily family.

The flowering habit of the "Century Plant," which labors for years storing up food in its fleshy leaves preparing for the great final effort of its life, the raising of the giant flower stalk, is one of the perplexing secrets of nature.

AMARYLLIDEAE.

Agave albicans. Mexico.
" americana. *Common Century Plant.*
" americana var. picta.
" " " striata.
" " " variegata.
" asperrima.

Agave atrovirens. Mexico.
" " var. latifolia.
" " " mitrae-formis.
" Bouchei. Mexico.
" chiapensis-porreata.
" costa-ricensis. Costa Rica.
" decipiens. Florida.
" elemeetiana. Mexico.
" excelsa. Mexico.
" ferox. Mexico.
" filifera Mexico.
" " var. Schedigera.
" Franzosini. Mexico.
" geminiflora. Mexico.
" Ghiesbreghtii. Mexico.
" goeppertiana. Mexico.
" Henriquesii. Mexico.
" heteracantha. Texas and Mexico.
" horrida. Mexico.
" " var. Gilbeyi. Mexico.
" Kerchovei. Mexico.
" lophantha. Mexico.
" lurida. Mexico.
" macracantha. Mexico.
" " var. longifolia.
" mexicana var. recurvata. Mexico.
" micracantha. Mexico.
" mitis. Mexico.
" picta.
" polyacantha. Mexico.
" rigida. Mexico.
" roezliana. Mexico.
" Schottii. Arizona.
" Scolymus. Mexico.
" striata var. stricta. Mexico.
" Victoriae-Reginae. Mexico.
" washingtoniensis. Mexico.
" yuccaefolia. Mexico.

LILIACEAE.

Aloe borzeana.
brevifolia. South Africa.
" ciliaris. South Africa.

Aloe Commelynii.
" depressus.
" echinata.
" ferox. South Africa.
" glauca. South Africa.
" grandidentata. South Africa.
" Greenii. South Africa.
" heteracantha. South Africa.
" humilis . South Africa.
" " var. echinata.
" latifolia. South Africa.
" obscura. South Africa.
" Paxii.
" Peacockii x–striata.
" percrassa.
" plicatilis. South Africa.
" saponaria.
" salmdyckiana x–frutescens.
" serra. South Africa.
" serrulata. South Africa.
" striata South Africa.
" " var. hybrida.
" succotrina. South Africa.
" supralaevis. South Africa.
" variegata. South Africa.
" vera. Mediterranean Region.

CACTEAE.

Anhalonium Engelmanni. Mexico.

CRASSULACEAE.

Bryophyllum proliferum. Tropical Africa

LILIACEAE.

Bulbine frutescens. South Africa.

CACTEAE.

Cereus aggregatus. Southern United States.
" alacriportanus. Brazil.
" angulosus.
" Baumannii. Peru.
" baxaniensis. Mexico.
" Boeckmanni.
" Bonplandii. Brazil.

Cereus Bridgesii. Bolivia.
" Brunowi.
" caesius.
" caespitosus. United States.
" candicans. Chili.
" cavendishii.
" celsianus. Andes.
" centricirrhus.
" chalibaeus.
" chilensis.
" chiotilla.
" chloranthus. Texas and Mexico.
" colubrinus.
" Curtisii. Colombia.
" Dautwitzii. Peru.
" dasyacanthus. United States.
" eburneus. Tropical America.
" edulis.
" enneacanthus. Texas.
" eriophorus. Cuba.
" euphorbioides. South America.
" flagelliformis. South America.
" Forsteri.
" gemmatus. Mexico.
" geometrizans. Mexico.
" giganteus.
" gonacanthus.
" grandiflorus.
" Greggi.
" hallianus.
" Hoppenstedti.
" Houlletii.
" Hystrix. West Indies.
" inermis. Venezuela.
" Jamacaru. Brazil.
" macrogonus.
" marginatus. Mexico.
" martianus. Mexico.
" Muelleri.
" multiplex. Brazil.
" Nickelsii.
" nycticalus. Mexico.
" pernambucensis.

Cereus peruvianus.
" " var monstrosus.
" Pfeifferii.
" princeps.
" Pringlei. California and Mexico.
" proliferus.
" pugioniferus.
" repandens.
" Rohlandii.
" Royeni.
" senilis. South America.
" serpentinus. Mexico.
" spachianus. Mexico.
" speciosissimus. Mexico.
" splendens.
" tephracanthus. South America.
" tetragonus. South America.
" Thurberi. New Mexico.
" tortuosus. Argentina.
" variabilis. South America.
" Weberii.
" Zuccarinii.

CRASSULACEAE.

Cotyledon agavoides. Mexico.
" amoena. Mexico.
" desmetiana. Mexico.
" glauca.
" globosa. Mexico.
" imbricata.
" mucronata.
" nodulosa. Mexico.
" orbiculata. South Africa.
" pachyphyta. Mexico.
" Peacockii. North America.
" pumila. Mexico.
" stolonifera. Mexico.
" teretifolia. South Africa.

LILIACEAE.

Dasylirion glaucophyllum Mexico.
" serratifolium. Mexico.
" Wheeleri. Mexico.

CACTUS HOUSE.

AGAVE IN FLOWER, WITH GIANT CACTUS (CEREUS) BEHIND IT.

CACTEAE.

Echinocactus brevihamatus. New Mexico.
" cornigerus. Mexico.
" cylindricus. Mexico.
" electracanthus. Mexico.
" Emoryi. California.
" Grusonii. Mexico.
" helophorus. Mexico.
" ingens. Mexico.
" Lecontei. Mexico.
" lopothele. Mexico.
" Mirbelli. Mexico.
" multicostatus.
" myriostigma. Mexico.
" Pfeifferi. Mexico.
" pilosus. Mexico.
" recurvus.
" Wislizeni. *Hedge-hog Cacti.* South West United States.
Epiphyllum Gaertneri. *Lobster Cactus.* Brazil.

EUPHORBIACEAE.

Euphorbia aethiopica. *Milkworts or Spurges.*
" alcicornis. Madagascar.
" Antiquorum. India.
" beaumiereana. Morocco.
" canariensis. Canaries.
" Candelabrum. South Africa.
" fulgens (jacquiniaeflora). Mexico
" grandicornis. Tropical Africa.
" grandidens. South Africa.
" havanensis.
" " var. cristata.
" hernantiana.
" lactea. India.
" macrophylla.
" mamillaris. South Africa.
" natalensis. South Africa.
" Nivulia. India.
" pulcherrima (Poinsettia). Mexico.
" " var. plenissima.
" Regis-Jubae. Teneriffe.

Euphorbia splendens. Madagascar.
" tetragona. South Africa.
" virosa. South Africa.
" xylophylloides. Magadascar.

TAMARISCINEAE.

Fouquieria columnaris. Mexico.
" splendens. New Mexico.

AMARYLLIDEAE.

Furcraea cubensis var. Lindeni. Cuba.

LILACEAE.

Gasteria acinacifolia South Africa.
" brevifolia. South Africa.
" decipiens. South Africa.
" disticha. South Africa.
" elongata. South Africa.
" intermedia.
" maculata. South Africa.
" nigricans. South Africa.
" obtusifolia. South Africa.
" punctata. South Africa.
" subverrucosa. South Africa.
" sulcata. South Africa.
" trigona. South Africa.
" verrucosa. South Africa.
" " var. latifolia. South Africa.
Haworthia attenuata. South Africa.
" expansa.
" fasciata. South Africa.
" glabrata var. concolor. South Africa.
" margaritifera. South Africa.
" " var. granata.
" mirabilis.
" Radula. South Africa.
" rigida.
Hesperaloe yuccaefolia. North West America.

CRASSULACEAE.

Kalanchoe carnea. South Africa.
" cassiopeia. Abyssinia.

Kalanchoe crenata. Tropical Africa.
" flammea. Somaliland.
" marmorata. Abyssina.

COMPOSITAE.

Kleinia repens.

CACTEAE.

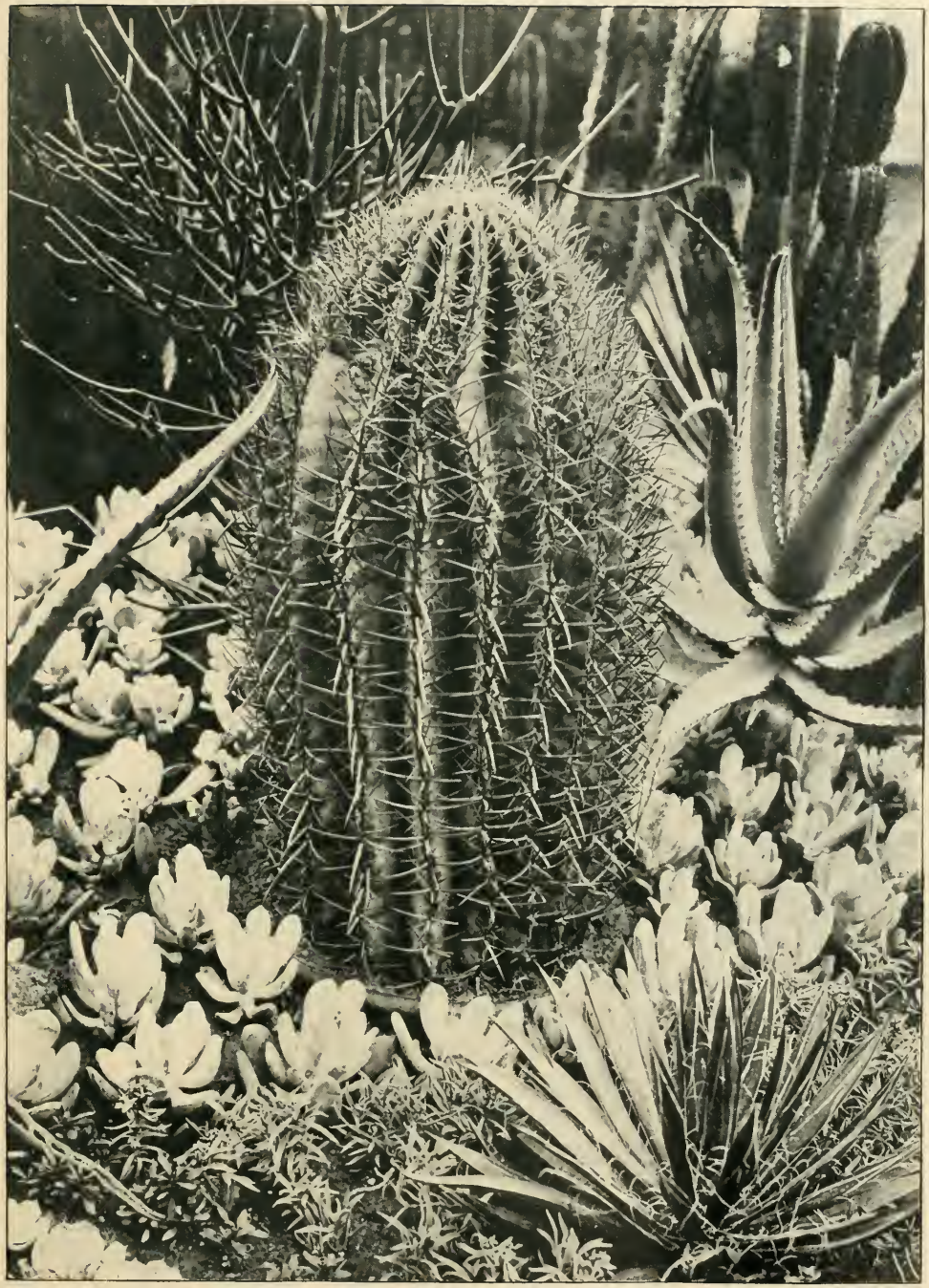
Mamillaria centricirrha. Mexico.
" cirrhifera. Mexico.
" cornifera. Mexico.
" decipiens. Mexico.
" Donatti. Mexico.
" echinus. Mexico.
" elegans. Mexico.
" Grahami. Mexico.
" Heyderi. Mexico.
" macromeris. Mexico.
" meiacantha. Mexico.
" recurva. Mexico.
" rhodantha. Mexico.
" sphaerotricha. Mexico.
" stellata.
" uncinata. Mexico.
" Waltonii.
Melocactus communis. *Turk's-cap Cactus.* West Indies.

FICOIDEAE.

Mesembryanthemum acinaciforme.
" aequilaterale. Australia.
" barbatum. South Africa.
" blandum. South Africa.
" Brownii. South Africa.
" bulbosum. South Africa.
" caulescens. South Africa.
" coerulescens. South Africa
" congestum. South Africa.
" curviflorum. South Africa.
" curvifolium. South Africa.
" edule. South Africa.
" polyanthon. South Africa.
" pugioniforme. South Africa.
" rubricaule. South Africa.
" serrulatum. South Africa.

CACTEAE.

Nopalea coccinellifera. Mexico.
" dejecta. Cuba.
Opuntia arborescens. Southern United States.
" arbuscula.
" aurantiaca. Chili.
" basilaris. Southern United States.
" beckeriana.
" Bigelovii. California.
" boliviana.
" brasiliensis. Brazil.
" camanchica. Southern United States.
" chlorotica. California.
" crinifera.
" cylindrica. Peru.
" Dillenii. South America.
" elongata.
" Engelmanni. Southern United States.
" Ficus indica . Tropical America.
" " " var fructu-alba.
" " " var. amyclea.
" floribunda.
" glaucescens.
" Grahamii. Southern United States.
" haematocarpa.
" hyptiacantha.
" imbricata. Mexico.
" labouretiana. South America.
" leptocaulis. Mexico.
" leucotricha. Mexico.
" Lindheimeri. Western United States.
" megacantha. Mexico.
" " var. lasyacanthus.
" microdasys. Mexico.
" monacantha. South America.
" " var. variegata.
" occidentalis.
" peruviana.
" phaeacantha.
" polyacantha. Southern United States.
" ramosissima. Southern United States.
" robusta. Mexico.
" rubescens. Brazil.



HEDGEHOG CACTUS.

ECHINOCACTUS PILOSUS SURROUNDED BY COTYLEDONS.

Opuntia salmiana. Brazil.
" senilis. Peru.
" spinocentra.
" spinosissima.
" stricta. South America.
" sulphurea. Argentina.
" tomentosa. South America.
" triacantha.
" Tuna. South America.

EUPHORBIACEAE.

Pedilanthus padifolius. South America.
" tithymaloides. *Jew-bush.* South America.

CACTEAE.

Pereskia aculeata. West Indies.
Phyllocactus latifrons. Mexico.
" phyllanthoides. Mexico.
" Numerous garden hybrids.
Rhipsalis repens.
" salicornoides. *Willow Cactus.* Brazil.

CRASSULACEAE.

Rochea longifolia. South Africa.
Sedum album. *Stone crops.* England.
" anopetalum. *Stone crops.* Southern Europe.
" aureum. *Stone crops.*
" dasyphyllum. *Stone crops.* Great Britain.
" dendroideum. *Stone crops.* Mexico.
" hybridum. *Stone crops.* Siberia.
" prealtum. *Stone crops.*
" reflexum var. major. *Stone crops.* Great Britain.

CRASSULACEAE.

Sempervivum arachnoideum. *House-leek.* Southern Europe.
" arboreum. *House-leek.* Mediterranean.
" calcareum major. *House-leek.* France.

Sempervivum ciliatum. *House-leek.* Canaries.
" decorum. *House-leek.*
" giganteum. *House-leek.*
" Haworthii. *House-leek.* Canaries.
" soboliferum. *House-leek.* Austria.

COMPOSITEAE.

Senecio Haworthii. *Groundsels or Ragweeds.*
" Kaempferi. *Groundsels or Ragweeds.* Japan.

ASCLEPIADEAE.

Stapelia hanburyana. *Carrion-flower.*
" tsomoensis. *Carrion-flower.* South Africa.
" variegata. *Carrion-flower.* South Africa.

DIOSCOREACEAE.

Testudinaria Elephantipes. *Elephant's-foot.* South Africa.

LILIACEAE.

Yucca aloifolia. Southern United States and West Indies.
" aloifolia. var. quadricolor.
" " var. variegata.
" constricta. *Spanish Bayonets, Adam's Needles.* Utah, etc.

ORCHIDS.

For the strange shapes and glowing colors of their flowers and ingenuity of devices for securing cross fertilization, Orchids are among the most fascinating of plants.

Requiring little nourishment, save that afforded by air and water, the struggle for existence in the luxuriant tropical forests where they are most abundant has led many species to seek footholds in the forks of high trees. There living through the long dry season in their precarious situation by the stored up nourishment in their stout pseudo-bulbs, at the approach of the tropical rains, they throw out their brilliant flowers, in courtship, as the botanists believe, of those insects without whose aid the life giving pollen could not reach and fertilize the ovules (seeds). Delicate lines of color leading down from the broad petals into the throat of the flower guide the winged visitor to the honey-sack within, and a hair trigger more delicate than any human mechanism falls as he enters and attaches to him the sticky pollen masses. These in turn are brushed off by the projecting stigma or top of the ovule column in the next Orchid flower he visits.

Of our native Orchids, the most imposing are the Cyrtopediums of the Mangrove thickets of Florida which bear spikes of yellowish flowers three feet high, and the pink Moccasin Flower (Cypripedium Spectabile) of our Pennsylvania woods. South America and Mexico contribute the flamboyant rose or magenta colored Cattleyas and Laelias so familiar in florists' windows, as well as the yellow and brown flowered Oncidiums. The Phillippines and East Indies send us the butterfly-like Phalaenopsis. From the Indian region come most of the strange dark-hued Moccasin Flowers (Cypripediums) and curious Dendrobiums whose brilliant flowers spring from apparently lifeless canes. The hybridizers have added to this natural wealth countless beautiful hybrids, many of them crosses between genera such as Laelia with Cattleya.

ORCHIDS.

Acineta Barkeri. Mexico.
" Humboldtii. Columbia.
Ada aurantiaca. Colombia.
Aerides crassifolium. Burma.
" expansum. Burma.
" houlletianum. Cochin China.
" multiflorum. India.
" quinquevulnerum. Philippines.
" virens. Java.
Angraecum caudatum. West Africa.
" eburneum. Mascarene Islands.
" " var. virens. Mascarene Islands.
" Ellisii var. Madagascar.
" Humblotii. Comoro Islands.
" scottianum. Comoro Islands.
" sesquipedale. Madagascar.
" superbum. Madagascar.
Anguloa Clowesii. Columbia.
Ansellia africana. Tropical Africa.
Arachnanthe Lowii. Borneo.
Arpophyllum giganteum. Mexico.
" spicatum. Mexico.
Bifrenaria Harrisonae. Brazil.
Bletia hyacinthina. China and Japan.
Brassavola fragrans. Brazil.
" lineata. Central America.
" Pescatorei.
Brasso-Laelia. Mrs. Gratrix. (*Garden hybrid.*)
Brassia maculata. Tropical America.
" verrucosa. Guatemala.
Bulbophyllum barbigerum. West Tropical Africa
" careyanum. Himalaya.
" fascinator.
" Lobbii. Burma.
" purpureum. Ceylon.
Calanthe Veitchii. (*Garden hybrid.*)
" Bryan.
" Wm. Murray.
" vestita. India.
" " var. oculata-gigantea. Borneo.
" " var. Regnieri.
" " var. sanderiana.

ORCHIDS IN TROPICAL HOUSE.

Catasetum macrocarpum. Tropical America.
Cattleya Aclandiae. Brazil.
" bicolor. Brazil.
" bowringiana. British Honduras.
" candida.
" elongata. Bahia.
" Forbesii. Brazil.
" granulosa. Brazil.
" " var. schofieldiana. Brazil.
" guttata var. Leopoldi. Brazil.
" " var. russelliana. Brazil.
" labiata.
" labiata var. aurea. Colombia.
" " var. dowiana. Costa Rica.
" " var. Eldorado. Brazil.
" " var. gaskelliana. Venezuela.
" " var. lueddemanniana. Venezuela.
" " var. Mendelii. Colombia.
" " var. Mossiae. Venezuela.
" " var. percivaliana. Venezuela.
" " var. Schroederae. Colombia.
" " var. Trianae.
" " var. Trianae alba, etc.
" " var. Warneri. Bahia.
" " var. Warscewiczii. Colombia.
" lawrenceana. British Guiana.
" Loddigesii. Brazil.
" " var. Harrisonae. Brazil.
" obrieniana. Brazil.
" schilleriana. Bahia.
" Skinneri. Mexico.
" velutina.
" walkeriana. Brazil.
" " var. dolosa.
Chysis aurea. Colombia.
Cochlioda noetzliana. Peru.
Coelia baueriana. West Indies and Mexico.
" bella. Guatemala.
" macrostachya. Southern Mexico.
Coelogyne corrugata. Southern India.
" cristata. Himalaya.
" " var. alba.

Coelogyne cristata. Charlesworth variety.
" dayana. Borneo.
" " x-aspera.
" lentiginosa. Moulmein.
" massangeana. Assam.
" ocellata. North India.
" speciosa. Malaya.
" tomentosa. Malaya.
Comparettia macroplectron. Colombia.
Cymbidium aloifolium. India and Ceylon.
" giganteum. Himalaya.
" lancifolium. Tropical Asia.
" lowianum. Burma.
" Sanderi.
" traceyanum.
" winnianum.
Cyperorchis elegans. Northern India.
" Mastersii. Assam.
Cypripedium alba-marginata.
" alba-purpureum.
" amabile.
" Argus. Philippines.
" arthurianum. (*Garden hybrid.*)
" Ashburtonae. (*Garden hybrids.*)
" " var. expansum.
" aureum Laura.
" barbatum. Malay Peninsula.
" " var. nigrum.
" " var. pulcherrimum.
" Barteti.
" Batalinii.
" behrensianum.
" bellatulum.
" Bellona.
" Boxallii. Burma.
" brayanum.
" Brownii.
" Cahuzac.
" callosum. Cochin China.
" Calypso.
" carnusianum.
" chamberlianum. Sumatra.
" Charlesworthii. Burma.

Cypripedium chloroneurum.
" ciliolare. Philippines.
" concolor. Burma.
" Creon.
" crossianum. (*Garden hybrid.*)
" Curtisii. Sumatra.
" Dauthieri. (*Garden hybrid.*)
" dayanum. Borneo.
" Druryi. Southern India.
" Furness seedling No. 1.
" " " No. 2.
" godseffianum.
" gratrixianum.
" harrisianum. (*Garden hybrid.*)
" " var. superbum.
" Hartwegii.
" haynaldiana. Philippines.
" Hera.
" T. B. Heywood.
" hirsutissimum. Khasia.
" Hookerae. Borneo.
" " var. bullenianum.
" insigne. Khasia.
" " var. albo marginatum.
" " var. Chantini.
" " var. corrugatum.
" " var. Maulei.
" javanicum. Java.
" josephianum.
" lathamianum.
" " var. inversum.
" " var. superbum.
" lawrenceanum. Borneo.
" leeanum (*Garden hybrid.*)
" " var. masreelianum.
" " var. maximum superbum.
" " var. superbum.
" leucorrhodum.
" Lowii. Borneo.
" luridum.
" mastersianum.
" media superba.
" melanopthalmum.

Cypripedium Morganiae. (*Garden hybrid.*)
" " var. burfordiense.
" Mrs. Charles Carham.
" nitens. (*Garden hybrid.*)
" " var. magnificum.
" nitidissima.
" niveum. Malaya.
" oenanthum. (*Garden hybrid*).
" " var. superbum.
" pavonium var inversum.
" philippinense. Philippines.
" politum. (*Garden hybrid*).
" purpuratum. Hongkong.
" radiosum.
" " var. Short Hillense.
" rothschildianum. Borneo.
" Sallieri.
" " var. nigro maculatum.
" sanderianum. Borneo.
" selligerum. (*Garden hybrid.*)
" " var. majus.
" spicerianum. Assam.
" Stonei. Burma.
" superbiens. Hab.?
" superciliare.
" swanianum. (*Garden hybrid.*)
" tigrinum.
" Veitchii.
" Venus.
" venustum. Himalaya.
" vexillarium. (*Garden hybrid.*)
" villosum. Moulmein.
" " var. giganteum.
" youngianum var. suberbum.
Cyrtopodium Andersoni. West Indies.
" punctatum. Florida.
Dendrohium Ainsworthii. (*Garden hybrid.*)
" albosanguineum. Moulmein.
" aureum. Tropical Asia.
" bellatulum.
" Bensoniae. Burma.
" bigibbum. Australia.
" Bronchartii.

Dendrobhium brymerianum. Burma.
" Calceolaria. India.
" Cassiope. (*Garden hybrid.*)
" chrysanthum. India.
" chrysotoxum. Burma.
" crassinode. Burma.
" crepidatum. India.
" dartoisianum.
" Dearei. Philippines.
" densiflorum. Northern India.
" devonianum. Northern India.
" Falconeri. Northern India.
" Farmeri. Northern India.
" fimbriatum. Northern India.
" findlayanum. Burma.
" formosum var. giganteum. Moulmein.
" gattonense.
" Jenkinsii. Assam.
" kingianum. Australia.
" lituiflorum. Assam.
" MacCarthiae. Ceylon.
" macrophyllum. New Guinea.
" moniliforme. Japan and China.
" nobile. India and China.
" " var. cooksonianum.
" " var. nobilius.
" Phalaenopsis var. Schroederae. New Guinea.
" Pierardi. Northern India.
" primulinum. Sikkim.
" pulchellum. India.
" thyrsiflorum. Burma.
" wardianum. Burma.
" " var. giganteum.
Epidendrum Barkerii.
" cochleatum. Tropical America.
" elegans.
" fragrans. Tropical America.
" nemorale. Mexico.
" obrienianum. (*Garden hybrid.*)
" osmanthum. Brazil.
" polybulbon. West Indies.

Epidendrum prismatocarpum. Central America.
" raniferum. Tropical America.
" tampense. Florida.
" vitellinum. Guatemala.
Eria acervata. Himalaya.
" convallaroides. Northern India.
Gongora galeata. Mexico.
" Loddigesii.
Houlletia brocklehurstiana. Brazil.
" odoratissima. Colombia.
Laelia anceps. Mexico.
" " var. alba.
" arnoldiana.
" autumnalis. Mexico.
" " var. alba.
" cinnabarina. Brazil.
" crispa. Brazil.
" digbyana. Honduras.
" elegans. Brazil.
" glauca. Mexico.
" harpophylla. Brazil.
" lindleyana. Brazil.
" majalis. Mexico.
" Perrinii. Brazil.
" pumila var. dayana. Brazil.
" " var. praestans. Brazil.
" purpurata. Southern Brazil.
" rubescens. Mexico.
" schilleriana. Southern Brazil.
" tenebrosa. Bahia.
" xanthina. Brazil.
" x-Cattleya. (*Hybrids.*)
Lycaste aromatica. Mexico.
" Barringtoniae. West Indies.
" Deppei. Mexico.
" Skinneri. Guatemala.
Masdevallia tovarensis. Venezuela.
Maxillaria grandiflora. Peru.
" nigrescens. Colombia.
" picta. Colombia.
" tenuifolia. Mexico.
" venusta. Colombia.
Miltonia candida. Brazil.

Miltonia cuneata. Brazil.
" festiva. Brazil.
" flavescens. Brazil.
" Regnelli. Brazil.
" Roezlii. Colomiba.
" " var. alba. Colombia.
" spectabilis. Brazil.
" " var. moreliana. Brazil.
" " bicolor. Brazil.
" Warscewiczii. Colombia.
" vexillaria. Colombia.
" " rubellum. Colombia.
Mystacidium filicorne. South Africa.
Odontoglossum citrosmum. Mexico.
" crispum. Colombia.
" Insleayi. Mexico.
" Krameri. Costa Rica.
" Pescatorei. Columbia.
" pulchellum. Guatemala.
" pulchellum var. majus.
" triumphans. Colombia.
" Uroskinneri. Guatemala.
" Wallisii. Columbia.
Oncidium altissimum. West Indies.
" ampliatum var. majus. Central Amer.
" bicallosum. Guatemala.
" catharginense. Tropical America.
" cavendishianum. Guatemala.
" Cebolleta. Brazil.
" Claeisii.
" concolor. Brazil.
" crispum. Brazil.
" dasystyle. Bryzil.
" divaricatum. Brazil.
" excavatum var. aurosum. Peru.
" flexuosum. Brazil.
" Forbesii. Brazil.
" graminifolium. Mexico and Guatemala.
" harrisonianum. Brazil.
" incurvum. Mexico.
" kramerianum. Ecuador.
" leucochilum. Mexico.

Oncidium longipes. Brazil.
" macranthum. Tropical America.
" maculatum. Mexico.
" marshallianum. Brazil.
" microchilum. Guatemala.
" oblongatum.
" ornithorhynchum. Mexico and Guatemala.
" Papilio. West Indies.
" Phalaenopsis. Ecuador.
" praetextum. Brazil.
" pumilum. Brazil.
" pulvinatum. Brazil.
" ramosum.
" reflexum. Mexico.
" sarcodes. Brazil.
" Schlimii. Colombia.
" sphacelatum. Mexico and Guatemala.
" splendidum. Guatemala.
" superbiens. Colombia.
" tigrinum. Mexico.
" " var. unguiculatum.
" varicosum var. Rogersii. Brazil.
" Wallichii.
" wentworthianum. Central America.
Ornithocephalus grandiflorus. Brazil.
Peristeria elata. *Holy Ghost Orchid.* Central America.
Phaius albus. Northern India.
" ashworthianus. (*Garden hybrid.*)
" Bensonae. Burma.
" bicolor. Ceylon.
" Blumei. Java.
" Cooksoni. (*Garden hybrid.*)
" grandifolius. Tropical Asia and Australia.
" maculatus. Northern India.
" Norman. (*Garden hybrid.*)
" sanderianus. " "
" Wallichii. Moulmein.
Phalaenopsis amabilis. Malaya.
" Aphrodite. Philippines.
" Esmeralda. Cochin China.

Phalaenopsis lueddemanniana. Philippines.
" rimestadtiana. Philippines.
" schilleriana. Philippines.
" stuartiana. Philippines.
Pholidota imbricata. India.
Platyclinis filiformis. Philippines.
" glumacea. Philippines.
" latifolia. Philippines.
Renanthera coccinea. Burma and Cochin China.
Restrepia maculata. Colombia.
" striata. Colombia.
Rynchostylis retusa. Tropical Asia.
Rodriguezia fragrans.
" plainfolia.
Soccolabium ampullaceum. India.
" violaceum. Phillipines.
Schomburgkia crispa. British Guiana.
" undulata. Venezuela.
Scuticaria Hadweni. Brazil.
Selenepedium calurum. (*Garden hybrid.*)
" caricinum. Peru.
" cardinale. (*Garden hybrid.*)
" caudatum. Ecuador.
" Cleola.
" conchiferum. (*Garden hybrid.*)
" dominianum. (*Garden hybrid.*)
" grande. (*Garden hybrid.*)
" " atratum. (*Garden hybrid.*)
" lindleyanum. Colombia and British Guiana.
" longifolium. Central America.
" porphyreum. (*Garden hybrid.*)
" Roezlii. Colombia.
" Sedeni. (*Garden hybrid.*)
" " var. candidulum.
" " var. superbum.
Sobralia macrantha. Mexico.
" xantholeuca. Central America.
Sophronitis grandiflora. Brazil.
Stanhopea grandiflora. Trinidad.
" tigrina. Mexico.
" Wardii. Guatemala.
Stenoglottis longifolia. Natal.

Trichopilia coccinea. Central America.
" fragrans. Colombia.
" " var. nobilis. Colombia.
" laxa. Colombia.
" suavis. Central America.
" tortilis. Mexico.
Vanda amesiana. India.
" coerulea. Burma.
" concolor. China.
" cristata. Northern India.
" denisoniana. Burma.
" hookeriana. Malaya.
" kimballiana. Burma.
" Parishii. Burma.
" sanderiana. Philippines.
" suavis. Java.
" Watsoni.
Vanilla planifolia. Central America.
Zygopetalum crinitum. Brazil.
" Gautieri. Brazil.
" intermedium. Brazil.
" xanthinum. Brazil.

BROMELIADS OR PINEAPPLES.

An interesting family found throughout the West Indies and American tropics where they are apparently equally at home, clinging to the branches of trees or springing from the soil. But it is in Brazil and Central America that Bromeliads occur in greatest abundance, festooning the highest trees with brilliant red, orange or blue flowers.

An interesting member of this family is the Spanish Moss (Tillandsia usneoides) which drapes the trees of the Southern States. Ananas sativus the commercial pineapple may usually be seen fruiting in our tropical house.

BROMELIADS.

Aechmea fulgens. French Guiana.
" leopardina.
" miniata.
" Nicolai.
" paniculigera. Tropical America.
" pineliana. Brazil.
" Weilbachii. Brazil.
" " var. leodiense.
Ananas. (*True Pineapples*).
" sativus.
" " var. Charles Rothschild.
" " var. Red Spanish.
" " var. Porto Rico.
" " var. Smooth Cayenne.
" " var. Sugar Loaf.
Billbergia chloristicha.
" excarpa.
" liboniana. Brazil.
" macrocalyx.
" miniata.
" nobilis.

Billbergia nutans. Brazil.
" pyramidalis. Brazil.
" " var. bicolor.
" rhodocyanea.
" rosea. Brazil.
" Saundersii. Brazil.
" speciosa. Brazil.
" thyrsoidea. Brazil.
" vittata. Brazil.
" zebrina. Brazil.
Bromelia Pinguin. Tropical America.
Cryptanthus Beuckeri. Brazil.
" bivittatus. Brazil.
" undulatus var. zebrina. Brazil.
" zonatus. Brazil.
Disteganthus basilateralis. Guiana.
Dyckia sulphurea. Brazil.
Hechtia glomerata. Mexico.
Karatas acanthocrater. Brazil.
" fulgens. Brazil.
" Innocentii. Brazil.
" " var. striata. Brazil
" makoyanum.
" princeps. Brazil.
" purpurea. Brazil
" spectabilis. Brazil.
" tristis. Brazil.
Pitcairnea albucaefolia. West Indies.
" alta. West Indies.
" Altensteinii. Venezuela.
" andreana. Venezuela.
" carnea.
" corallina. Colombia.
" muscosa. Brazil.
" platyphylla.
" purpurea.
" ramosa.
" recurvata.
" suaveoleñs.
" tabulaeformis. Mexico,
" undulata. Brazil.
" xanthocalyx. Brazil.
Puya mexicana. Mexico.

BROMELIADS.

PINEAPPLES IN TROPICAL HOUSE.

Quesnelia Skinneri.
Tillandsia aurantiaca.
" Barilletii. Ecuador.
" cardinalis. (*Garden hybrid.*)
" carinata.
" complanata.
" confertiflora x-Rex.
" duvaliana. Brazil.
" Falkenbergii.
" fasciculata.
" fenestralis. Parana.
" fenestralis x-Rex.
" fulgida.
" gloriosa.
" hieroglyphica. Brazil.
" kitteliana x-Rex.
" Krameri.
" Leodensis.
" Lindeni. Peru.
" " var. vera.
" " var. tricolor.
" Malzinei. Cordova.
" mayeniana x-Rex.
" Moreau. Barilletii.
" Morreni. Brazil.
" Nanoti. (*Garden hybrid.*)
" nigricans.
" ornata.
" Peacockii.
" Poelmanni.
" " x-Rex.
" psittacina. Brazil.
" " var. aurea vittata.
" " var. fulgida.
" purpurea.
" Rex. (*Garden hybrid.*)
" Saundersii. Brazil.
" splendens. Guiana.
" tessellata. Brazil.
" " x-Rex.
" truffantiana.
" Van Geerti.
" Vigeri.
" Zahnii.

PALMS.

In the main Palm House, the towering Palms, Bamboos and tropical Evergreen Trees : the confusing drapery of Lianes or Creepers mounting the branchless Palm stems; the tufted masses of Orchids and Bromeliads clinging to the forking limbs; the strange net work of aerial roots sent down from the giant Rubber Trees; the undergrowth of Coffee Trees, Bananas and Ardisias; and the carpeting of tender Ferns and Amaryllids; all reproduce marvellously a tropical forest scene. It is an idealized landscape in the torrid zone, since the tropics of the world are represented in its vegetation, and such unrestrained luxuriance of growth can be seen only in sheltered spots under the equator.

Of especial interest are the large Date Palms (Phœnix) from Africa. The numerous slender Seaforthias (Archontophœnix) from Australia and the giant Oil Palm (Attalea) from Honduras.

Commercially palms supply the world with Cocoanuts, Sago, Palm Oil and Dates, also with Vegetable Ivory, Rattan and valuable fibres. Palm flowers are inconspicuous individually, but are borne in enormous quantities on graceful branching inflorescences and the seeds vary from the size of a pea to that of a football. The various families are never widely scattered. Thus Calamus, Licuala, and Areca are all confined to the Eastern tropics; Geonoma, Bactris and Chamaedorea to the Americas; and the Howeas (Kentias) to Lord Howe's Island, a dot of land in the Pacific. The Cocoanut Palm alone has been distributed through both hemispheres.

Only the larger specimen Palms will be found in the main house. The majority of the others listed are in the Tropical Houses Nos. 1. and 2.

PALMS.

Acanthophoenix crinita. Mauritius.
Acanthorhiza aculeata. Central Amer. and Mex.
Acrocomia sclerocarpa. Tropical America.
Archontophoenix Alexandrae. Queensland.
" cunninghamiana. Queensland.
Areca Aliciae. Australia.
" glandiformis. Moluccas.
" Ilsemanni.
" madagascariensis.
" Sanderi.
" triandra. India.
Arenga Engleri. Formosa.
" obtusifolia. Java.
" Wightii. Malabar.
Astrocaryum mexicanum. Mexico.
Bactris major. Colombia.
" pallidispina. Guiana.
Bacularia minor. Queensland.
Calamus asperrimus. Java.
" australis. Australia.
" ciliaris. Malaya.
" Flagellum. Himalaya.
" sikkimensis.
" trinervis. East Indies.
Caryota mitis. Cochin China.
" purpuracea. Java.
" ureñs. India.
Ceratobus concolor. Sumatra.
Ceroxylon andicola. Colombia.
Chamaedorea atrovireñs Chiapas.
" corallina. Venezuela.
" glaucifolia. Colombia.
Chrysalidocarpus lutescens. Madagascar.
Cocos amara. West Indies.
" Bonneti.
" nucifera. *Cocoanut Palm.*
" plumosa, Brazil.

Cocos syagus.
Corypha Gebanga. Java.
Cyrtostachys Lakka. Malaya.
Daemonorops fissus. Borneo.
" intermedius. Malaya.
" palembanicus. Sumatra.
" periacanthus. Sumatra.
Dictyosperma album. Mauritius.
Didymosperma porphyrocarpon. Java.
Diplothemium caudescens. Brazil.
Elaeis guineensis. *Oil Palm of Commerce.* Tropical Africa.
Erythea edulis. California.
Euterpe edulis. Brazil, etc.
" montana. Grenada.
" oleracea. *Cabbage Trees. The terminal bud is eaten as a vegetable.* Brazil.
Geonoma dulcis.
" gracilis. Costa Rica.
" latifolia.
" Pynaerti.
" schottiana. Brazil.
Hedyscepe canterburyana. Lord Howe's Island.
Howea belmoreana. Lord Howe's Island.
" " var. gracilis. Lord Howe's Island.
" forsteriana. Lord Howe's Island.
Hydriastele wendlandiana. Tropical Australia.
Hyophorbe amaricaulis. Mauritius.
" Verschaffeltii. Mascarene Islands.
Iguanura seismaniana.
Kentia Alberti.
" dumoniana gracilis.
" kirsteniana.
" sanderiana.
Latania Commersoni. Mauritius.
" Loddigesii. Mauritius.
" Verschaffeltii. Mauritius.
Licuala elegans. Sumatra.
" grandis. New Britain.
" Muellerii. Queensland.
" palludosa.
" peltata. India.
" Rumphii. Moluccas.

WESTERN ENTRANCE MAIN HALL.

TRAVELLER'S TREE (RAVENALA) AND DATE PALM (PHOENIX) IN BACKGROUND.

Licuala spinosa. Malaya.
Linospadix petrickiana.
Livistona altissima.
" australis. Australia.
" chinensis. China and Japan.
" Hoogendorpii. Java.
" humilis. Australia.
" jenkinsiana. Assam.
" rotundifolia. Java.
" Woganii.
" Woodfordii.
Martinezia caryotaefolia. Colombia.
" disticha.
Maximiliana martiana. Brazil.
Metroxylon rufa. *Produces the Sago of Commerce.* Malaya.
Orania philippinensis. Philippines.
Oreodoxa regia. *Royal Palm.* Panama and Cuba.
Phoenix canariensis. Canary Islands.
" dactylifera. *True Date Palm.* N. Africa.
" humilis var. Roebelini. India.
" hybrida. (*Garden origin*).
" pumila.
" reclinata. South East Africa.
" senegalensis.
" tenuis.
Phytelephas macrocarpa. *Ivory Nut Palm.* Colombia.
Pinanga decora. Borneo.
" Kuhlii. Java.
" maculata. Philippines.
" rubicaulis.
Pritchardia Gaudichaudii. Sandwich Islands.
" Martii. Sandwich Islands.
" Thurstoni. Fiji.
Pseudophoenix Sargentii. Florida.
Ptychoraphis augusta. Nicobar Islands.
Rhapis flabelliformis. China and Japan.
" humilis. *Ground Rattan Cane.* Japan.
Rhopaloblaste hexandra. Moluccas.
Rhopalostyle Baueri. Norfolk Island.
" sapida. New Zealand.
Sabal Adansoni. Southern United States.

Sabal blackburniana. Bermuda.
" mauritiaeformis. West Indies.
" megacarpa.
" Palmetto. Southern United States.
" umbraculifera. West Indies.
Stevensonia grandifolia. Seychelles Isles.
Thrinax argentea. West Indies.
" barbadensis. Barbados.
" chuco.
" Morrisii. West Indies.
" radiata. West Indies.
" " var. elegantissima.
" " var. gracillima.
Trachycarpus excelsa. India, China, Japan.
Veitchia Johannis. Fiji.
Verschaffeltia splendida. Seychelles Isles.
Wallichia caryotoides. Burma.
" oblongifolia.
Washingtonia filifera. California.

CYCADS.

The Cycads resemble the palms in their unbranched trunks and crowning mass of folage, but in structure their naked seeds or ovules ally them to the Pines and Ferns.

They are of two sexes: the male plants bearing cones of staminate flowers not unlike those of a spruce tree; the female naked ovules in the angles of small rusty downy leaves.

Economically they are of value from the rich starchy character of the pith and seeds, and their fronds are much used for decorations.

Their popular name—sago palms—is a misnomer as they do not produce the sago of commerce.

Bowenia spectabilis. Queensland.
" " var. serrulata. Rockingham Bay.
Ceratozamia fusco-viridis. Mexico.
" mexicana. Mexico.
Cycas circinalis. East Indies.
" revoluta. *Common "Sago Palm"*. China and Japan.
" Sanderi.
" Seemanni.
" siamensis. Siam.
Dioon edule. Mexico.
" spinulosum. Mexico.
Encephalartos caffra. *Caffer Bread*. South Africa.
" Frederici Guilielmi. South Africa.
" Ghellinckii. South Africa.
" Hildebrandtii. Zanzibar.
" horridus. South Africa.
" Lehmanni. South Africa.
" pungens var. glauca. South Africa.
" villosus. Natal.

Macrozamia corallipes. Australia.
" cylindrica. Australia.
" Denisonii. Australia.
" elegantissima. Australia.
" Fawcetti. Australia.
" flexuosa. Australia.
" heteromeria. Australia.
" perowskiana. Australia.
" secunda. Australia.
" spiralis. Australia.
Pseudocycas Micholitzii.
Zamia floridana. Coontie Florida.
" integrifolia. Coontie Florida.
" Lindenii. Ecuador.
" terrestris.
" pumila. Florida and West Indies.

FERNS AND SELAGINELLAS.

At an earlier period in the world's history forests of tree ferns covered considerable portions of Great Britain and the United States, but at the present time they occur only in the warm regions of both hemispheres, and are most abundant in Australia and New Zealand. Our collection contains a number of these Australasian tree ferns, Alsophilas and Dicksonias, the latter cousins germain to the little hayscented fern (Dicksonia pilosiuscula) of Pennsylvania pastures. Of historical interest too is Dicksonia Barometz from Siam, once famous as the "vegetable lamb," that prodigy reported by imaginative eastern travelers in the days of old—half beast, half plant—springing from the earth like other vegetables, but bearing a strange fruit in the form of a wooly lamb which turned about upon the parent stem and nibbled the grass. All this legend was based upon the wool-covered rootstocks.

Distinctive too are the climbing ferns (Lygodiums) and the rampant Acrostichum tenuifolium which is scrambling over everything within reach. Besides the common Boston fern (Nephrolepis bostoniensis) a score of other forms of Nephrolepis will be found, also many varieties of Maiden-hair (Adiantum) and Polypody (Polypodium).

In the glass cases are filmy ferns which need an atmosphere saturated with moisture such as exists on the Irish coast or in tropical valleys near water falls where the mist continually plays over the foliage.

The Selaginellas or club mosses are closely related to the ferns, and are usually distinguished by minute scale-like leaves. They vary in height, from the tiny Selaginella emiliana, often seen as a table decoration, to S. Wildenovii, the climbing club moss, which is rambling over several of the tree fern stems.

FERNS AND SELAGINELLAS.

Acrostichum aureum. Southern United States and West Indies.
" canaliculatum. Venezuela.
" conforme. West Indies, etc.
" crinitum. West Indies, etc.
" latifolium. Mexico, Brazil, etc.
" osmundaceum. West Indies, etc.
" tenuifolium. *Climbing Fern.* South Africa.
" virens. Tropical Asia and Africa.
" viscosum. West Indies, etc.
Adiantum aethiopicum. Tropics.
" aeitense. Aeiteum Isles.
" Bausei. (*Garden hybrid. Decorum x-trapeziforme*).
" bellum. Bermuda.
" Capillus-Veneris. Tropical and Temperate Zones.
" Capillas-Veneris var. imbricatum.
" Capillas-Veneris var. modestum.
" caudatum. Tropics.
" Charlottae.
" Collisii. (*Garden origin.*)
" concinnum. Tropical America.
" " var. latum.
" croweanum.
" cuneatum. Tropical America.
" " var. deflexum.
" " var. elegantissimum.
" " var. gracillimum.
" " var. grandiceps.
" cuneatum var. grandis.
" " var. lambertianum.
" " var. Legrandi.
" " var. mundulum.
" " var. variegatum.
" curvatum. Brazil.
" diaphanum. Malaya, New Zealand, etc.
" Edgeworthii. India and China.
" excisum var. multifidum. Chili.
" Fergusoni. Ceylon.

Adiantum formosum. Australia and New Zealand.
" fulvum. New Zealand
" henslovianum. Colombia, Peru, etc.
" hispidulum var. tenellum. Australia.
" luddemannianum. (*Garden origin*).
" dolabriforme. China, etc.
" macrophyllum. West Indies.
" Moorei. Andes of Peru.
" obtusum. West Indies.
" peruvianum. Peru.
" philadelphiense. (*Garden origin*).
" polyphyllum, Colombia.
" princeps. New Granada.
" pulverulentum. West Indies.
" tenerum var. Ballii.
" " var. bessonianum.
" " var. farleyense.
" " var. Lathomii.
" " var. princeps.
" " var. scutum.
" tetraphyllum var. acuminatum. West Indies.
" tinctum. Andes of Peru.
" trapeziforme. West Indies.
" " var. Catharinae.
" " var. cultratum.
" veitchianum. Andes of Peru.
" versaillense.
" Wagneri. Andes of Peru.
" Weigandii. (*Garden origin.*)
" Williamsii. *Maiden-hair Ferns.* Andes of Peru.
Alsophila aculeata. *Tree Ferns.* Tropical Amer.
" australis. *Tree Ferns.* Australia.
" excelsa. *Tree Ferns.* Norfolk Island.
" pruinata. *Tree Ferns.* West Indies.
" leichardtiana. *Tree Ferns.* Australia.
Anemia Phyllitidis. West Indies.
Angiopteris evecta. Tropics of Old World.
Aspidium aculeatum var. tsus-simense. Japan.
" amabile. India, Formosa, Japan.
" aristatum. Tropical Asia.

Aspidium aristatum var. variegatum.
" capense. South America, Polynesia, etc.
" falcatum. Japan and South Africa.
" lepidocaulon. Japan.
" setosum.
" varium. *Shield Ferns.* China, Japan.
Asplenium anisophyllum. South Africa, Tropical America.
" Belangeri. Malayan Islands.
" bulbiferum. Tropical Asia and Australia.
" decussatum. Polynesia, etc.
" fragrans var. foeniculaceum.
" grandifolium. West Indies.
" ilicifolium.
" lanceum. India, China, Japan.
" lineatum var. inaequale. Mauritius.
" lunulatum var. fernandezianum. Juan Fernandez.
" Nidus. India, etc.
" " var. australasicum. Australia.
" " var. multilobatum.
" obtusatum. Australia. New Zealand.
" " var. lucidum.
" obtusilobum. Polynesia.
" ornatum. New Zealand.
" planicaule. India and China.
" polytum.
" rutaefolium var. prolongatum. Cape Colony.
" Shepherdi. West Indies.
" umbrosum. Tropical Asia and Africa.
" viviparum. Mascarene Islands.
" " var. nobile.
" zeylanicum. *Spleenworts.* Ceylon.
Blechnum brasiliense. Brazil, Peru, etc.
" " var. corcovadense. Brazil.
" serrulatum. Florida.
Cheilanthes lendigera. Mexico.
" myriophylla. Tropical America.
Cyathea Chamissoi.
" insignis. West Indies.
" medullaris. *Tree Ferns.* New Zealand.

LIANE COVERED PALM STEMS AND GROUND COVERS OF HERBS IN MAIN HALL.

Davallia affinis. Tropical Asia.
" cuspidata.
" dissecta. Java.
" divaricata. India, Malaya.
" elegans. Tropical Asia and Africa.
" " var. Kunzei. Malaya.
" epiphylla. Java, Malaya.
" fejeensis. Fiji Islands.
" " var. major.
" " var. plumosa.
" " var. robusta.
" griffithiana. China, Malaya.
" hirta. India, Polynesia.
" " var. cristata.
" hispida.
" Majuscula. Ceylon.
" pentaphylla. Java, Polynesia.
" pyxidata. New South Wales.
" solida. Malaya, Polynesia.
" " var. latifolia. Penang.
" " var. lucida. (*Horticultural origin.*)
" Speluncae. Tropics.
" squarrosa.
" tenuifolia. Tropical Asia.
" " var. Veitchii. (*Horticultural origin.*)
" Tyermanni. China.
Dicksonia adiantoides. West Indies.
" antarctica. *Tree Fern.* Australia.
" Barometz. India, Siam.
" fibrosa. *Tree Fern.* New Zealand.
" glauca. Sandwich Islands.
" regalis. Mexico.
" Schiedei. Central America.
" squarrosa. *Tree Fern.* New Zealand.
" Wenlandi. Guatemala.
Didymochlaena lunulata. Tropical America.
Doodia aspera var multifida. Australia.
" blechnoides. Australia.
" media. Australia, etc.
Gleichemia dichotoma. Tropics.
" flabellata. Australia, etc.
Gymnogramme calomelanos. West Indies.
" " var. Alstoni.

Gymnogramme var. chrysophylla.
" caudiformis. Tropical Asia.
" elliptica. Tropical Asia.
" grandis.
" Heyderi. Dominica.
" japonica. Japan, Formosa.
" tartarea. Tropical South Amer.
" " var. ochracea. South Brazil.
Lomaria ciliata. New Caledonia.
" gibba var. platyptera. New Caledon
" speciosa.
" " var. nobile.
" Spicant. Britain.
" striata.
Lonchitis pubescens. Mauritius, etc.
Lygodium dichotomum. Tropical Asia.
" scandens. Ceylon.
" volubile. *Climbing Ferns.* West Indies.
Marattia cicutaefolia. Brazil.
Meniscium reticulatum. West Indies.
Nephrodium decompositum. Australasia.
" " var. glabellum. Australasia.
" " var. Shepherdi. Australasia.
" decurrens. Tropical Asia.
" dissectum var. membranifolium. Malaya.
" emersum var. cristatum.
" erythrosorum. China and Japan.
" hirtipes. Tropical Asia.
" macrophyllum. West Indies.
" melanocaulon.
" molle. Tropics everywhere.
" " var. grandiceps.
" patens. Tropics.
" polymorphum. India, Malaya.
" pubescens. West Indies.
" recedens. Philippines, Ceylon, India.
" Richardsi var. multifidum. New Caledonia.
" Sieboldii. Japan.
" unitum. Florida to Brazil.

Nephrodium viridescens.
Nephrolepis Barrowsii. (*Garden origin.*)
" bostoniensis. *Boston Fern.* (*Garden origin.*)
" cordifolia. Tropical America.
" cordifolia var. compacta. (*Hort. origin.*)
" " var. pectinata. W. Indies.
" davallioides. Java.
" " var. furcans. (*Hort. origin.*)
" Duffii. Australia.
" elegantissima.
" exaltata. Tropics everywhere.
" " var. Barteri. Western Tropical Africa.
" Forsteri. (*Garden origin.*)
" philadelphiensis. (*Garden origin.*)
" Piersonii. (*Garden origin.*)
" rufescens var. tripinnatifida. Solomon Isles.
" washingtoniensis.
" Wittboldi: (*Garden origin.*)
" Whitmani.
" zollingeriana.
Notholaena sinuata. Mexico.
Oleandra articulata. Tropical Africa.
Onychium japonicum. Japan, Himalaya.
Osmunda javanica. Kamschatka to Java.
" palustris.
" regalis var. gracilis. *Royal Ferns.* Fla.
Pellaea blechnoides.
" cordata var. flexuosa. Western South America.
" falcata. Tropical Asia and Australia.
" hastata. Tropical Africa.
" var. adiantoides.
Platycerium aethiopicum. Tropical Africa.
" alcicorne. Australia.
" " var. Hillii. Queensland.
" " var. Hillii majus.
" grande. Northern Australia.
" Willinckii. *Staghorn Ferns.*
Polypodium affine.
" augustifolium. West Indies, etc.

Polypodium aureum. West Indies, etc.
" " var. areolatum. Brazil.
" " var. Lowi.
" " var. sporodocarpum.
" crassifolium. West Indies.
" decurrens. Tropical America.
" fraxinifolium. Tropical America.
" glaucophyllum. Tropical America.
" guatemalense. Central America.
" hemionitideum. Northern India.
" Heracleum. Java, Philippines.
" irioides. Tropics.
" leiorhizon. India, China.
" Lingua. Manchuria and Malaya.
" " var. corymbiferum. (*Hort. origin.*)
" longissimum. Tropical Asia.
" loriceum. West Indies.
" " var. catharinae.
" meyenianum. Philippines.
" musaefolium. Malaya.
" pectinatum. West Indies.
" pellucidum. Sandwich Islands.
" persicaefolium. Malaya.
" Phyllitidis. West Indies.
" " var. obscurum.
" Phymatodes. Tropical Asia.
" pustulatum. Australia and New Zealand.

Pteris biaurita. Tropics.
" " var. argentea. (*Hort. origin.*)
" " var. nemoralis variegata. (*Hort. origin.*)
" cretica var. albo-lineata. Tropics.
" " Mayi. (*Hort. origin.*)
" " Wimsetti. (*Hort. origin.*)
" ensiformis var. Victoriae. (*Hort. origin.*)
" heterophylla. West Indies.
" " var. internata. West Indies.
" longifolia. Tropics.
" " var. Mariesii. Japan.
" Ouvrardii.
" palmata var. nobilis. West Indies.

PALMS AND CYCADS SEEN FROM GALLERY IN MAIN HALL.

Pteris pellucida. India, Tropical Africa.
" pungens. West Indies.
" sagittifolia. Brazil.
" serrulata. China and Japan, etc.
" " var. cristata. (*Hort. origin.*)
" " var. cristata nana. (*Hort. origin.*)
" " var. Gilberti.
" " var. tenuifolia.
" " var. voluta.
" Sieboldii.
" sinensis.
" tremula. *Brakes or Brackens.* Australia and New Zealand.
Todea barbara. South Africa and Australasia.

FILMY FERNS.

Todea hymenophylloides. New Zealand.
" superba. *Crape Ferns.* New Zealand.
Trichomanes radicans. *Bristle Fern.* Great Britain, etc.
Vittaria lineata. Tropics.
Woodwardia chamissonis.
Selaginella atroviridis. Tropical Asia.
" caulescens. Tropical Asia.
" emiliana. (*Hort. origin.*)
" flabellata. Tropics.
" grandis. Borneo.
" inaequalifolia. Tropical Asia.
" karsteniana. New Grenada.
" kraussiana. Africa and Azores.
" laevigata var. Lyalii. Madagascar.
" Martensii. Mexico.
" paradoxa.
" pitcheriana.
" Poulteri. Azores.
" serpens. West Indies.
" Vogelii. Tropical Africa, Madagascar.
" Wallichii. Tropical Asia.
" watsoniana. (*Garden origin.*)
" Willdenovii. Tropical Asia.

GENERAL COLLECTION.

This includes plants of many families and climates scattered throughout the world. They will be found in the Palm House, Tropical and Temperate Houses.

Abelia, Caprifoliaceae.

Abelia chinensis. China.

Abutilon, Malvaceae.

Abutilon Darwini. *Flowering Maple.* (*Garden forms.*) Brazil.

Acacia, Leguminosae.

Acacia armata. Australia.
" " var. undulata. *Kangaroo Thorn.* Australia.
" baileyana. Australia.
" calamifolia. *Broom Wattle.* Australia.
" cavenia. *Espino, Cavan.* Chili.
" cultriformis. Australia.
" cuneata. Australia.
" cyanophylla. *Blue Wattle.* Australia.
" " var. magnifica. Australia.
" Cyclops.
" dealbata. *Silver Wattle.* Australia.
" decurrens. *Green Wattle.* Australia.
" dietrichiana. Australia.
" Drummondii. Australia.
" Esterhazia.
" extensa. Australia.
" falcata. Australia.
" Gnidium.
" juniperina. Australia.
" latifolia. Australia.
" lineata. Australia.
" linifolia var. splendens. Australia.
" longifolia. *Golden Sydney Wattle.* Australia.

Acacia longifolia var. floribunda.
" " var. mucronata.
" " var. Sophorae.
" Meissneri. Australia.
" melanoxylon var. spectabilis. Australia.
" microbotrya. Australia.
" neriifolia. Australia.
" obliqua. Australia.
" paradoxa. Australia.
" podalyriaefolia. Australia.
" pubescens. *Hairy Wattle.* Australia.
" pycnantha. *Golden Wattle.* Australia.
" riceana var. verticillata. Australia.
" saligna. Australia.
" uncinella. Australia.

Acaena, Rosaceae.

Acaena microphylla. New Zealand.

Acalypha, Euphorliaceae.

Acalypha wilkesiana. Fiji Islands.

Achras, Sapotaceae.

Achras Sapota. *Sapodilla. Plum Tree.* West Indies.

Acokanthera, Apocynaceae.

Acokanthera spectabilis. *Wintersweet.* South Africa.
" venenata. South Africa.

Agapanthus, Liliaceae.

Agapanthus umbellatus. *Lily of the Nile.* South Africa.

Agapetes Vacciniaceae.

Agapetes buxifolia. Himalaya.

Ageratum, Compositae.

Ageratum mexicanum. (*Various garden forms.*) Mexico.

Aglaonema Aroideae.

Aglaonema costatum. Perak.
" pictum. Malaya.
" purpurea.

Albizzia, Leguminosae.

Albizzia lophantha var. speciosa. Australia.

Allamanda, Apocynaceae.

Allamanda cathartica. Guiana.
" neriifolia. South America.
" Williamsii.

Alloplectus, Gesneraceae.

Alloplectus capitatus. South America.

Alocasia, Aroideae.

Alocasia argyrea. Habitat.
" cuprea. Borneo.
" Lindeni.
" macrorhiza.
" martin Cahuzac.
" montefontainensis.
" pinciana.
" Putzeysi. Sumatra.
" thibautiana. Borneo.
" zebrina. Manila.

Alpinia, Scitamineae.

Alpinia auriculata.
" rafflesiana. Malaya.

Amaryllis, Amaryllideae.

Amaryllis Belladonna. South Africa.
" " var. major.

Amomum, Scitamineae.

Amomum cardamomum. *Cardemon.* East Indies.

Andira, Leguminosae.

Andira inermis. *The Cabbage Tree.* West Indies and Brazil.

CYCADS IN TROPICAL HOUSE.

Antholyza, Irideae.

Antholyza aethiopica. South Africa.
" aethiopica var. bicolor.

Anthurium Aroideae.

Anthurium acaule. *Tail flower, Flamingo flower, etc.* West Indies.
" andreanum. Colombia.
" " var. atrosanguineum.
" " var. salmoneum.
" Brownii. Colombia.
" clarkianum.
" crystallinum. Colombia.
" ferrierense. (*Garden hybrid.*)
" " var. album.
" Hookeri. West Indies.
" hybridum.
" laucheanum. Brazil.
" magnificum. Colombia.
" ornatum. Venezuela.
" pedato-radiatum. Mexico.
" philadelphiense. (*Garden hybrid.*)
" polytum.
" regale. Brazil.
" scherzerianum. Guatemala.
" " var. album.
" " var. Black King.
" " var. candidum.
" " var. Fantasie.
" " var. grandiflorum.
" " var. Mad. Dalliere.
" " var. roseum.
" " rothschildianum.
" " sanguineum.
" " Wardii.
" signatum. Colombia.
" Veitchii. Colombia.
" warocqueanum. Colombia.

Antiaris Urticaceae.

Antiaris toxicaria. *Upas Tree. The juice is a deadly poison.* India and Malaya.

Antigonon, Polygonaceae.

Antigonon leptopus. *Rosa de Montana, San Miguelito.* Mexico.

Aphelandra, Acanthaceae.

Aphelandra aurantiaca var. Roezlii. Mexico.
" Fascinator. Colombia.

Aralia, Araliaceae.

Aralia Balfourii.

Araucaria, Coniferae.

Araucaria Bidwillii. *Moreton Bay Pine.* Moreton Bay.
" brasiliensis. Brazil.
" Cookii. New Caledonia.
" Cunninghami. Moreton Bay
" excelsa. *Norfolk Island Pine.* Norfolk Island.
" imbricata. *Monkey Pine.* Chili.
" Rulei var. elegans. Papuan Archipelago.
Ardanthe elongata.
" wagnificum.

Ardisia, Myrsineae.

Ardisia crenata. China.
" " var. alba.

Aristolochia, Aristolochiaceae.

Aristolochia gigas var. Sturtevantii. *Dutchman's Pipes.* Guatemala.

Asparagus, Liliaceae.

Asparagus decumbens. Cape of Good Hope.
" medeoloides. *Smilax.* South Africa.
" plumosus. South Africa.

Aspidistra, Liliaceae.

Aspidistra lurida. China.
" " var. punctata.
" " var. variegata.

Astilbe, Saxifragaceae.

Astilbe japonica. Japan.
" " var. floribunda.

Astrapaea Sterculiaceae.

Astrapaea Wallichii. Madagascar.
Averrhoa carambola. *Carambola.* India and China.

Azalea. (See Rhododendron.)

Bambusa, Gramineae.

Bambusa argentea var. striata. *Variegated Bamboo.*
" arundinacea. *Giant Bamboo.* India.
" aurea var. stricta.
" Veitchii.

Banisteria, Malpighiaceae.

Banisteria chrysophylla. Brazil.

Bauhinia, Leguminosae.

Bauhinia variegata var. candida. India and China.

Begonia, Begoniaceae.

Begonia argenteo-guttata. (*Garden hybrid.*)
" Baumanni. Bolivia.
" dichotoma. Venezeula.
" Dregei. South Africa.
" foliosa. Colombia.
" goegoensis. *Fire King.* Sumatra.
" haageana. Brazil.
" hydrocotylifolia. Mexico.
" imperialis var. smaragdina. Mexico.
" manicata. Mexico.
" manicata var. maculata.
" metallica. Mexico.
" nelumbifolia. Mexico.
" nitida. Jamaica.
" olbia. Brazil.
" Rex hybrida. (*Garden origin.*)

Begonia ricinifolia. (*Garden hybrid.*)
" rubra.
" sanguinea. Brazil.
" semperflorens. Brazil.
" Thurstonii.
" ulmifolia. Venezuela.
" Verchaffeltii. (*Garden hybrid.*)
" weltoniensis. (*Garden hybrid.*)

Bertolonia, Melastomaceae.

Bertolonia houtteana. Habitat?
" marmorata var. superbissima. Brazil.

Bignonia, Bignoniaceae.

Bignonia argyreo-violascens. South America.
" venusta. *Trumpet Creeper.* Brazil.

Boehmeria, Urticaceae.

Boehmeria nivea. *China grass.* Tropical Asia.

Bougainvillaea, Nyctagineae.

Bougainvillaea glabra. Brazil.
" " var. Sanderiana.
" Mand Chattleburg. Brazil.

Bouvardia, Rubiaceae.

Bouvardia. (*Garden hybrids.*) Mexico.

Bowiea, Liliaceae.

Bowiea volubilis. South Africa.

Brachysema, Leguminosae.

Brachysema acuminatum. Habitat?

Browallia, Solanaceae.

Browallia speciosa. Colombia.

Brownea, Leguminosae.

Brownea grandiceps. Venezuela.

Brunfelsia, Solanaceae.

Brunfelsia calycina. Brazil.
" latifolia. Brazil.

GENERAL VIEW OF FERN HOUSE.

Burchellia, Rubiaceae.

Burchellia capensis. South Africa.

Caladium, Aroideae.

Caladium bicolor. (*Many garden varieties.*) Brazil.
" Wightii. Brazil.

Calathea, Scitamineae.

Calathea Albertii.
" angustifolia.
" bachemiana. Brazil.
" coccinea var. vera.
" eximia. Tropical America.
" fasciata. Brazil.
" inconifera.
" Lietzei. Brazil.
" lindeniava. Peru.
" Mozelli.
" orbiculata.
" ornata. Colombia.
" " var. albo-lineata.
" " var. regalis.
" " var. roseo-lineata.
" princeps. Peru.
" roseo-picta. Upper Amazon.
" sanderiana. Brazil.
" Van den Heckii. Brazil.
" veitchiana. Bolivia.
" vittata. Brazil.
" Wallisii. Brazil.
" zebrina. Brazil.

Calceolaria, Scropularineae.

Calceolaria hybrida. (*Hybrids of herbaceous species.*) South America.
" rugosa. Chili.

Calothamnus, Myrtaceae.

Calothamnus quadrifidus. Australia.

Camellia, Ternstroemiaceae.

Camellia japonica. (*Numerous garden varieties.*) Japan.
" Reticulata. China.
" Sasanqua. China.

Campanula, Campanulaceae.

Campanula Vidalii. Azores.

Canarina, Campanulaceae.

Canarina campanulata. Canaries.

Canna, Scitamineae.

Canna indica varieties. *Indian Shot Canna.* West Indies.

Carica, Passifloreae.

Carica Papaya. *Common Papaw.* South America.

Carludovica, Cyclanthaceae.

Carludovica atrovirens. Colombia.
" humilis. Peru.
" palmata. *The fiber is used for "Panama" hats.* South America.

Castilloa, Urticaceae.

Castilloa elastica. *Panama Rubber.* Central Amer.

Cecropia, Urticaceae.

Cecropia peltata. Tropical America.

Centradenia, Melastomaceae.

Centradenia floribunda. Mexico.
" grandifolia. Mexico.

Centropogon, Campannlaceae.

Centropogon lucyanus. (*Garden hybrid.*)

Cestrum, Solanaceae.

Cestrum elegans. Mexico.
" Newellii. Hibitat?
" Parqui. Chili.

Chorizema, Leguminosae.

Chorizema ilicifolium. Australia.
" varium.

Chrysanthemum, Compositae.

Chrysanthemum sinense. (*Numerous garden forms.*) China and Japan.

Chrysobalanus, Rosaceae.

Chrysobalanus Icaco. *Cocoa Plum.* Trop. Africa.

Cinnamomum, Laurineae.

Cinnamomum Camphora. *Camphor.* China.
" zeylanicum.

Citharexylum, Verbenaceae.

Citharexylum quadrangulare. *Fiddlewood.* West Indies.

Citrus, Rutaceae.

Citrus Aurantium. *Sweet Orange.* Tropical Amer.
" " var. myrtifolia.
" decumana var. *Grape Fruit.* Tropics.
" medica var. Limonum. *Lemon.* Trop. Asia.
" " var. ponderosa. *Ponderosa Lemon.*

Clerodendron, Verbenaceae.

Clerodendron fallax. Java.
" speciosum (*splendens x-Thomsonae*).
" Thomsonae. Tropical Africa.

Cleyera, Terustroemiaceae.

Cleyera japonica var. variegata. Japan.

Clidemia, Melastomaceae.

Clidemia vittata. Peru.

Clivia, Amaryllideae.

Clivia blandfordiaeflorum var. striatum.
" cruenta.
" Gen. Gordon.
" miniata. Natal.
" nobilis. South Africa.

Clusia, Guttiferae.

Clusia rosea. *Balsam Tree of tropics.* West Indies.

Coccoloba, Polygonaceae.

Coccoloba grandifolia. West Indies.
" uvifera. *Seaside Grapes.* West Indies and Florida.

Codiaeum, Euphorbiaceae.

Codiaeum variegatum. *Crotons.* (*Numerous garden varieties.*) Malaya.

Coffea, Rubiaceae.

Coffea arabica. *Arabian Coffee Tree.* Arabia and Tropical Africa.

Coleus, Labiatae.

Coleus Blumei. (*In numerous garden varieties.*) Java.

Colletia, Rhamneae.

Colletia cruciata. Rio de la Plata.

Colocasia, Aroideae.

Colocasia Antiquorum. "*Taro.*" East Indies.
" " var. Fontanesii.
" esculenta. Sandwich Islands.
" odorata. *Elephant's Ear.* Peru.

Combretum, Combretaceae.

Combretum adenophyllum.
" purpureum. Madagascar.

Commelina, Commelinaceae.

Commelina coelestis.

Cordyline, Liliaceae.

Cordyline amabilis. (*Garden hybrid.*)
" amerileucas. (*Garden hybrid.*)
" australis. New Zealand
" " var. lentiginosa.
" Baptistii. (*Garden form.*)
" Bruanti. (*Garden form.*)
" hybrida. (*Garden form.*)
" Leitzei. (*Garden form.*)
" limbata. (*Garden form.*)
" Lord Wolseley. (*Garden form.*)
" porphyrophylla. (*Garden form.*)
" roseo-picta. (*Garden form.*)
" Shepherdii. (*Garden form.*)
" terminalis. (*This species is the source of most of the Stove Dracaenas cultivated.*) South Sea Islands.
" Youngii.

VIEW IN FERN HOUSE.

TREE FERNS (DICKSONIAS) AND STAGHORN FERNS (PLATYCERIUMS).

Coriaria, Coriarieae.

Coriaria myrtifolia. *Myrtle-leaved Sumach.* South Europe.

Coronilla, Leguminosae.

Coronilla glauca. South Europe.
" pentaphylla. *Crown Vetches.* South Europe.

Costus, Scitamineae.

Costus igneus. Bahia.
" malortieanus. Costa Rica.
" tappenbeckianus. *Spiral Flags.*

Crinum, Amaryllideae.

Crinum amabile. Sumatra.
" giganteum. Trop. Africa.
" grande.
" Kirkii. Zanzibar.
" Kunthiana.
" pratense.
" scabrum. Tropical Africa.

Cuphea, Lythrarieae.

Cuphea ignea. Mexico.
" hyssopifolia.

Curculigo, Amaryllideae.

Curculigo recurvata. *Weevil Plant.* East Indies.

Cyclamen, Primulaceae.

Cyclamen latifolium. Asia Minor.

Cyclanthus, Cyclanthaceae.

Cyclanthus bipartitus. Tropical America.
" cristatus. Colombia.

Cyperus, Cyperaceae.

Cyperus alternifolius. Madagascar.
" " var. variegatus.
" Papyrus. Trop. Africa, Palestine, etc.

Cyrtosperma, Aroideae.

Cyrtosperma Johnstonii. Solomon Islands.

Cytisus, Leguminosae.

Cytisus fragrans. Canaries.

Daboecia, Ericaceae.

Daboecia polifolia. *Irish Heath.* Ireland, Azores.

Daedalacanthus, Acanthaceae.

Daedalacanthus nervosus. India.

Dahlia, Compositae.

Dahlia. (*Garden hybrids probably derived from D. coccinea and D. variabilis.*) Mexico.

Dammara, Coniferae.

Dammara australis. *Kauri Pine.* New Zealand.

Daphne, Meliaceae.

Daphne odora. Japan.

Dermatobotrys, Scrophularineae.

Dermatobotrys Saundersiae. Natal.

Dichorisandra, Commelinaceae.

Dichorisandra undulata. Brazil.

Dieffenbachia, Aroideae.

Dieffenbachia baraquiniana. Brazil.
" Bowmanni. Brazil.
" Carderi. Colombia.
" eburnea. Brazil.
" grandis. Brazil.
" imperialis. Peru.
" Jenmani. British Guiana.
" Leopoldii. South America.
" magnifica. Venezula.
" Memoria-Cortii. (*Garden origin.*)
" picta. Brazil.
" Rex. South America.
" Seguine var. maculata. W. Indies.
" Shuttleworthii. Colombia.

Dienaea, Droseraceae.

Dionaea muscipula. *Venus Fly Trap.* Florida to Carolina.

Dipladenia, Apocynaceae.

Dipladenia boliviensis. Bolivia.
" brearleyana. (*Garden origin.*)
" splendens. Brazil.

Dombeya, Sterculiaceae.

Dombeya spectabilis. Tropical Africa.
" Wallichii. Madagascar.

Doryanthes, Amaryllideae.

Doryanthes Palmeri. Queensland.

Dracaena, Liliaceae.

Dracaena Cantleyi. Singapore.
" Draco. *Dragon tree.* Canary Islands.
" fragrans. Tropical Africa.
" " var. Lindeni. (*Hort. origin.*)
" " var. massangeana. (*Hort. origin.*)
" godseffiana. West Tropical Africa.
" goldieana. West Tropical Africa.
" hookeriana. South Africa.
" kewensis.
" rothiana. Habitat?
" sanderiana. West Tropical Africa.
" umbraculifera. Mauritius.

Drosera, Droseraceae.

Drosera rotundifolia. Florida, etc.

Eichornea, Pontederiaceae.

Eichornea azurea. Brazil.
" speciosa. *Water Hyacinths.* Tropical America.

Elaeocarpus, Tiliaceae.

Elaeocarpus cyaneus. Australia.

Epacris, Epacrideae.

Epacris Diadem. (*Garden form.*)

Epacris longiflora splendens. Australia.
" Vesta. (*Garden form.*)

Eranthemum, Acanthaceae.

Eranthemum atropurpureum. Polynesia.
" eldorado. Polynesia.

Erica, Ericaceae.

Erica Bothwelliana. (*Garden hybrid.*)
" carvendishiana. (*Garden hybrid.*)
" melanthera. South Africa.
" polytrichifolia.
" regerminans. South Africa.

Eriobotrya, Rosaceae.

Eriobotrya japonica. *Loquat.* Japan and China.

Erythrina, Leguminosae.

Erythrina caffra. South Africa.
" Corallodendron. West Indies, Southern United States.
" Crista-galli var. compacta. *Coral Trees.* Brazil.

Erythroxylum, Lineae.

Erythroxylum coca. *Coca Leaf of Commerce.* Peru.

Eucalyptus, Myrtaceae.

Eucalyptus globulus. Australia.

Eucharis, Amaryllideae.

Eucharis candida. Colombia.
" grandiflora. Colombia.
" " var. Lowii.
" Mastersii. Colombia.

Eucomis, Liliaceae.

Eucomis punctata. *Pineapple Flower.* S. Africa.

Eugenia, Myrtaceae.

Eugenia glaziovianum.
" Jambos. *The Rose Apple.* Trop. Asia.

BAMBOO (BAMBUSA ARUNDINACEA) IN MAIN HALL.

Eupatorium, Compositae.

Eupatorium arboreum.
" guadaloupense.
" ianthinum. Mexico.
" macrophyllum.

Eurya, Ternstroemaceae.

Eurya japonica var. variegata. Japan.

Fabiana, Solanaceae.

Fabiana imbricata. Peru.

Ficus, Urticaceae.

Ficus Afzeli.
" Canoni. Society Islands.
" elastica. *India Rubber.* India.
" " var. variegata.
" falcata. Malaya.
" indica
" lucida. East Indies.
" Parcelli. Polynesia.
" quercifolia. India.
" religiosa. *Peepul or Banyan Tree.* India.
" stipulata. Japan
" " var. minima.
" villosa. Malaya.

Filicium, Burseraceae.

Filicium decipiens. Ceylon.

Fittonia, Acanthaceae.

Fittonia argyroneura. Peru.
" Verschaffeltii. Peru.
" " " var. Pearcei.

Francoa, Saxifrageae.

Francoa appendiculata. Chili.
" ramosa. Chili.

Freesia, Irideae.

Freesia refracta var. alba. South Africa.

Fuchsia, Anagrarieae.

Fuchsia triphylla. Mexico.

Gahnia, Cyperaceae.

Gahnia procera.

Gardenia, Rubiaceae.

Gardenia florida var. fortuneana. China, Japan.
" Thunbergia.

Gerbera, Compositae.

Gerbera Jamesoni. South Africa.

Gladiolus, Irideae.

Gladiolus gandavensis and numerous hybrids. South Africa.

Gloxinia, Gesneraceae.

Gloxinia hybrids. South America.

Grevillea, Proteaceae.

Grevillea alpina. Australia.
" Forsteri. (*Hort. origin.*)
" robusta. *Silk Oak.* Australia.
" thelemanniana. Australia.

Gynerium, Gramineae.

Gynerium argenteum. *Pampas Grass.* Temperate South America.

Haemanthus, Amaryllideae.

Haemanthus cinnabarinus. West Tropical Africa.
" diadem. (*Garden hybrid.*)
" Kalbreyeri. *Blood Lilies.* Guinea.

Haematoxylon, Leguminosae.

Haematoxylon campechianum. *Logwood.* Tropical America.

Hedychium, Scitaminea.

Hedychium coronarium. India.
" gardnerianum. *Indian Garland-flower.* Himalaya.

Heeria, Melastomaceae.

Heeria alba. Mexico.
" elegans. Mexico.

Helichrysum, Compositae.

Helichrysum arenarium. Australia.
" bracteatum. *Everlastings.* Australia.

Heliconia, Scitamineae.

Heliconia aureo-striata. New Britain.
" Bihai. *Wild Plantain.* South America and West Indies.
" Edwardus Rex. (*Hort. origin.*)
" illustris var. rubricaulis. (*Hort. origin.*)

Heliotropium, Borragineae.

Heliotropium peruvianum. *Heliatrope, or Cherry Pie.* (*Numerous hybrids.*) Peru.

Hibbertia, Dilleniaceae.

Hibbertia dentata. Australia.

Hibiscus, Malvaceae.

Hibiscus-rosa sinensis. Tropics.
" " var. Cooperi.
" " metallicus. *Hibiscus or Marsh-mallows.*

Hippeastrum, Amaryllideae.

Hippeastrum Johnsoni. (*Garden hybrid.*)
" platypetala.
" solandraeflorum var conspicua. Brazil.
" vittatum. *Amaryllis.* Peru.
" Numerous hybrids.

Hoffmannia, Rubiaceae.

Hoffmannia Ghiesbreghtii. Mexico.
" refulgens. Mexico.
" Roezlii.

Homalomena, Aroideae.

Homalomena picturata. *Syn. Curmeria Picturata.* Colombia.

Hoya, Ascpiadeae.

Hoya carnosa. *Wax Flower.* Tropical Asia.

Humea, Compositae.

Humea elegans. Australia.

Hura, Euphorbiaceae.

Hura crepitans. *Sandbox Tree.* South America.

Hydrangea, Saxifrageae.

Hydrangea Hortensia. Japan.
" " var. Otaksa. Japan.

Hymenocallis, Amaryllideae.

Hymenocallis caribaea. West Indies.
" harrisiana. Mexico.
" macrostephana. Mexico.

Hymenosporum, Pittosporeae.

Hymenosporum flavum. Australia.

Ilex, Ilicineae.

Ilex paraguayensis. *Paraguay Tea.* Paraguay.

Impatiens, Geraniaceae.

Impatiens Balsamina. *Common Ladyslipper or Balsam.* Tropical. Asia.
" pulcherrima. Bombay.
" Sultani. Zanzibar.

Ipomoea, Convolvulaceae.

Ipomoea Bona-Nox

Iresine, Amarantaceae.

Iresine Lindeni. *Achyranthes.* Ecuador.

Isoloma, Gesneraceae.

Isoloma hirsutum. West Indies.

Ischnosiphon, Scitamineae.

Ischnosiphon smaragdinus. Ecuador.

Ixora, Rubiaceae.

Ixora acuminata. India.
" Chelsoni. (*Garden hybrid.*)
" coccinea. East Indies.
" javanica. Java.
" macrothyrsa. Sumatra.
" stricta. China.
" Westii. (*Hort. origin.*)

Jacaranda, Bignoniaceae.

Jacaranda ovalifolia. *Syn. J. mimosaefolia.* South America.

PITCHER PLANTS (SARRACENIAS) IN TEMPERATE HOUSE.

Jacobinia, Acanthaceae.

Jacobinia aurantiaca. Tropical America.
" ghiesbreghtiana. Mexico.
" magnifica var. carnea. Brazil.
" pauciflora. Brazil.

Jasminium, Oleaceae.

Jasminium grandiflorum. *Italian Jasmine.* Malaya

Kaempferia, Scitamineae.

Kaempferia Galanga. India.
" Gilberti. Burma.
" rotunda. Malaya.

Lagerströmia, Lythrariae.

Lagerströmia indica. *Crape Myrtle.* China.

Lantana, Verbenaceae.

Lantana. (*Hybrids.*) South America.

Lapageria, Liliaceae.

Lapageria rosea. Chili.
" " var. albiflora. *Chilian Bellflower.*

Laportea, Urticaceae.

Laportea moroides. Australia.

Laurus, Laurineae.

Laurus nobilis. *Sweet Bay-tree.* South Europe.

Ledenbergia, Phytolaccaceae.

Ledenbergia roseo-aenea. Central America.

Leptospermum, Myrtaceae.

Leptospermum scoparium. Australia.

Lippia, Verbenaceae.

Lippia citriodora. *Lemon Verbena.* Chili.

Malvaviscus, Malvaceae.

Malvaviscus arboreus. West Indies.

Mangifera, Anacardiaceae.

Mangifera indica. *Mango-tree, a common tropical fruit.* India and Malaya.

Manihot, Euphorbiaceae.

Manihot utilissima. *Bitter Cassava, yields the Tapioca of commerce.* Brazil.

Maranta, Scitamineae.

Maranta amabilis. Brazil.
" arundinacea var. variegata.
" bicolor. Brazil.
" bicolor var. kerchoreana.
" " var. makoyana.
" " var. massangeana.
" " musaica. (*Hort. origin.*)
" " Oppenheimi. (*Hort. origin.*)

Marcgravia, Terustroemiaceae.

Marcgravia Sintemsii.
" umbellata. Tropical America.

Medinilla, Melastomaceae.

Medinilla magnifica. Philippines.
" tyermaniana.

Melaleuca, Myrtaceae.

Melaleuca armillaris. Australia.
" densa. Australia.
" preissiana. Australia.

Michelia, Magnoliaceae.

Michelia fuscata. *Syn. magnolia fuscota.* China.

Miconia, Melastomaceae.

Miconia magnifica. Mexico.

Mimosa, Leguminosae.

Mimosa pudica. *Sensitive plant.* Brazil.

Monstera, Aroideae.

Monstera deliciosa. Mexico.
" elegans

Murraya, Rutaceae.

Murraya exotica. Polynesia.

Musa, Scitamineae.

Musa Cavendishii. China.
" coccinea. *Scarlet-flowered Banana.* China.
" Ensete. Abyssinia.
" religiosa.
" rosacea. *Mauritius Plantain.* Himalaya.
" sapientum *True Banana.* Tropics.
" " var. Champa.
" " var. Dacca.
" " " du Laus.
" " " paradisiaca. *Plantain.*
" " " vittata. *Variegated Banana.* Africa.
" textilis. Philippines.
" zebrina. India.

Mussaenda, Rubiaceae.

Mussaenda frondosa. India.

Myristica, Myristiceae.

Myristica fragrans. *Nutmeg.* Moluccas.

Myrosma, Scitamineae.

Myrosma kummeriana. Tropical America.

Nandina, Berberideae.

Nandina domestica. China and Japan.

Napoleona, Myrtaceae.

Napoleona imperialis. Tropical Africa.

Narcissus, Amaryllideae.

Narcissus Jonquilla. (*Jonquil.*) Spain.
" poeticus. (*Poet's Narcissus.*) S.Europe.
" Pseudo-Narcissus. (*Daffodil.*) Europe.
" Tazetta. (*Polyanthus Narcissus.*) Europe (*and many hybrids of the above species*).

Nepenthes, Nepenthaceae.

Nepenthes amesiana. (*Garden hybrid.*) rafflesiana x hookeriana.
" ampullaria. Malaya.
" atrosanguinea. (*Garden hybrid.*) hirsuta x Sedini.

Nepenthes Burkei. Borneo.
" " var. excellens.
" Chelsoni (*Hybrid.*) Dominii x hookeriana.
" " var. excellens.
" cincta. Borneo.
" coccinea. (*Hybrid.*) (hookeriana x Phyllamphora.)
" compacta.
" Courtii. (*Hybrid.*)
" craigiana.
" Curtisii. Borneo.
" dicksoniana. (*Hybrid.*) (rafflesiana x Veitchii.)
" distillatoria. Ceylon.
" Dominii. (*Hybrid.*) (rafflesiana x unnamed sp.)
" Goucheri.
" gracilis. Borneo.
" hamiltoniana.
" henryana. (*Hybrid.*) (hookeriana x Sedeni.)
" hirsuta. Borneo.
" Hookerae. (*Hybrid.*) (rafflesiana x Phyllamphora.)
" hybrida var. maculata. (*Hybrid.*)
" intermedia. (*Hybrid.*) (rafflesiana x unnamed sp.)
" mastersiana. (*Hybrid.*) (sanguinea x distillatoria.)
" mixta. (*Hybrid.*) (Curtisii x northiana.)
" " var. superba.
" Morganae. (*Hybrid.*) (hookeriana x Phyllamphora.)
" northiana. Borneo.
" obrieniana. Borneo.
" outramiana. (*Hybrid.*) (Sedeni x hookeriana.)
" Paradisae. (*Hybrid.*)
" Patersonii. (*Hybrid.*)
" Phyllamphora. Cochin China.
" rafflesiana. India.

Nepenthes robusta. (*Hybrid.*) (hookeriana x Phyllamphora.)
" sanguinea. Malaya.
" Sedeni. (*Hybrid.*) (distillatoria x unnamed sp.)
" Sir Thistleton Dyer. (*Hybrid.*)
" splendida. (*Hybrid.*)
" splendida x Morganae. (*Hybrid.*)
" superba. (*Hybrid.*) (hookeriana x Sedeni.)
" Tiveyi. (*Hybrid.*)

Nephthytis, Aroideae.

Nephthytis picturata. Congo.
" triphylla.

Nerine, Amaryllideae.

Nerine sarniensis. *Guernsey Lily.* South Africa.
" undulata. South Africa.

Nerium, Apocynaceae.

Nerium Oleander. Orient.

Nierembergia, Solanaceae.

Nierembergia gracilis. Buenos Ayres.

Nymphaea, Nymphaeaceae.

Tender African Water Lilies.

Nymphaea Lotus var. dentata. Serra Leone.
" " " devoniensis. (*Hybrid.*)
" " " rubra.
" omarana. (*Hybrid.*) (dentata x Sturtevantii.)
" pulcherrima.

Ophiopogon, Haemodoraceae.

Snake's Beards.

Ophiopogon Jaburan var. variegata. Japan.
" japonicus var. variegatus. Japan.
" Wallichii.

Osmanthus, Oleaceae.

Osmanthus fragrans. Syn. Olea fragrans. *Fragrant Olive.* China and Japan.

Oxalis, Geraniaceae.

Oxalis purpurata. South Africa.

Palicourea, Rubiaceae.

Palicourea nicotianaefolia. Brazil.

Palisota, Commelinaceae.

Palisota Barteri. Fernando Po.

Panax, Araliaceae.

Panax fruticosum var. aureum. Tropical Asia.
" " var. Guilfoylei monstrosum.
" " var. Victoriae.
" latifolia

Pancratium, Amaryllideae.

Pancratium fragrans.
" illyricum. South Europe.

Pandanus, Pandaneae.

Screw Pines.

Pandanus Baptistii. New Caledonia.
" graminifolius. Tenasserim.
" laevis.
" luzoniensis. Philippines.
" pacificus. Pacific Islands.
" Sanderi.
" stenophyllus. Moluccas.
" utilis. *Common Screw Pine.* Madagascar.
" Veitchii. Polynesia.

Paullinia, Sapindaceae.

Paullinia thalictrifolia. Rio de Janeiro.

Pavonia, Malvaceae.

Pavonia intermedia.
" multiflora. Brazil.
" rosea.

Pelargonium, Geraniaceae.

Pelargonium peltatum. *Ivy Geranium.* S. Africa.
" zonale. South Africa.
(*Many garden hybrids.*)

Pellionia, Urticaceae.

Pellionia fuscata. Cochin China.

Peperomia, Piperaceae.

Pepper Elder.

Peperomia argyreia. South America.
" maculosa. Tropical America.

Pernettya, Ericaceae.

Pernettya purpurea.
" rubra.

Persea, Laurineae.

Persea gratissima. *Avocado or Alligator Pear.* South America.

Petrea, Verbenaceae.

Petrea volubilis. *Purple Wreath.* Trop. America.

Petunia, Solanaceae.

Petunia violacea varieties. Argentina.

Philodendron, Aroideae.

Philodendron andreanum. Columbia.
" bipinnatifidum. Brazil.
" crassinervium. Brazil.
" giganteum. Trop. America.
" lacerum. West Indies.
" ornatum. Brazil.
" radiatum.
" sagittifolium. Mexico.
" Selloum. Brazil.
" verrucosum. Colombia.

Phormium, Liliaceae.

Phormium cookianum. New Zealand.
" tenax var. variegatum. New Zealand.

Phyllanthus, Euphorbiaceae.

Phyllanthus nivosus. Pacific Islands.
" roseo-pictus.

Phyllostachys, Gramineae.

Phyllostachys Kumasasa. *Canes.* Japan.

Pimenta, Myrtaceae.

Pimenta officinalis. *Allspice.* West Indies.

Piper, Piperaceae.

Piper nigrum. *Common Black Pepper.* India.
" porphyrophyllum. Malaya.

Pithecolobium, Leguminosae.

Pithecolobium Saman. *Rain Tree.* Trop. Amer.

Pittosporum, Pittosporeae.

Pittosporum Buchanani. New Zealand.
" tenuifolium. New Zealand.
" Tobira. Japan and China.
" " var. variegatum.
" undulatum. Australia.

Plumbago, Plumbagineae.

Plumbago capensis. South Africa.
" " var. alba.
" zeylanica. East Indies.

Polygala, Polygaleae.

Polygala myrtifolia var. grandiflora. South Africa.

Pothos, Aroideae.

Pothos aureus. Solomon Islands.

Primula, Primulaceae.

Primula floribunda var. buttercup. *Species from Himalaya var. Hort.*)
" Forbesii. China.
" obconica. *Numerous varieties.* China.
" sinensis. *Numerous varieties.* China.
" " var. flore plena. *Numerous varieties.*

Psidium, Myrtaceae.

Psidium guava. *Guava.* Tropical America.

Quercus, Cupuliferae.

Quercus virens. *Live Oak.* North America.

LILIES AND AZALEAS AT EASTER.

Randia, Rubiaceae.

Randia maculata. Trop. Africa. Sierra Leone.

Raphiolepis, Rosaceae.

Raphiolepis indica. *East Indian Hawthorn.* China.

Ravenela, Scitamineae.

Ravenala madagascariensis. *Traveler's Tree.* Madagascar.

Reineckea, Liliaceae.

Reineckea carnea. China and Japan.
" " var. variegata.

Rhododendron, Ericaceae.

Rhododendron arboreum. India.
" " var. Campbelliae.
" " " cinnamomeum.
" " " coccinea.
" Aucklandii.
" Edgeworthii. Himalaya.
" indicum.
" " var. obtusum.
(*Numerous garden hybrids,* "Azaleas.")
" Luscombei.
" Manglesii.
" niveum. Himalaya.
" praecox. (*Hybrid.*) (ciliatum x dauricum.)
" Smirnovii.

Richardia, Aroideae.

(*Calla Lily.*)

Richardia africana (syn aethiopica). S. Africa.
" " var. nana compacta. *Little Gem Calla.*

Rivina, Phytolaccaceae.

Rivina humilis. *Bloodberry.* Tropical America.

Rohdea, Liliaceae.

Rohdea japonica var. variegata. Japan.

Rondeletia, Rubiaceae.

Rondeletia amoena. Guatemala.
" odorata (syn. speciosa.) Mexico.

Rosa, Rosaceae.

Rosa laevigata. *Cherokee Rose.* China.

Roupala, Proteaceae.

Roupala Pohlii. Brazil.

Rubus, Rosaceae.

Rubus rosaefolius var. flore pleno. Tropical Asia.

Rudgea, Rubiaceae.

Rudgea macrophylla. Brazil.

Ruellia, Acanthaceae.

Ruellia formosa. Brazil.
" macrantha.
" varians.

Ruscus, Liliaceae.

Ruscus aculeatus. *Butcher's Broom.* England, Africa, etc.

Russelia, Scrophularineae.

Russelia juncea. Mexico.

Saccharum, Gramineae.

Sugar Canes.

Saccharum officinarum. East Indies.
" " var. violaceum. West Indies.

Sagittaria, Alismaceae.

Sagittaria montevidensis. *South American Arrow-head.* Argentina.

Saintpaulia, Gesneraceae.

Saintpaulia ionantha. *South African Violet.* Central America.

Salvia, Labiatae.

Salvia azurea. *Blue Salvia.* North America.
" involucrata. Mexico.
" splendens. *Scarlet Sage.* Brazil.

Sanchezia, Acanthaceae.

Sanchezia nobilis. Ecuador.

Sansevieria, Haemodoraceae.

Sansevieria cylindrica. Tropical Africa.
" guineensis. Tropical Africa.
" guineensis var. variegata.
" sulcata. Tropical Africa.
" zeylanica. Tropical Africa and Asia.
" " var. Craigii.

Sarracenia, Sarraceniaceae.

(*Indian Cups, Pitcher-plants, Trumpet-leaf.*)

Sarracenia Drummondii. Florida.
" flava. *Trumpet-leaf Watches.* Carolina to Florida.
" psittacina. *Parrot-beaked Sarracenia.* Southern United States.
" rubra. Southern United States.
" variolaris. Southern United States.

Saxifraga, Saxifrageae.

Saxifraga geranioides. Pyrenees.

Schismatoglottis, Aroideae.

Schismatoglottis Lavallei var. purpurea. Sumatra.
" neoguineensis. New Guinea.
" picturata. Java.

Scindapsus, Aroideae.

Scindapsus pictus. Malaya.

Scutellaria, Labiatae.

Scutellaria mociniana. *Helmet-flower, Skull-cap.* Mexico.

Senecio, Compositae.

Senecio cruentus var. hybrida. *Cinerarias, in many garden varieties.* Canaries.
Senecio Kaempferi. Japan.

Serissa, Rubiaceae.

Serissa foetida. China and Japan.

Simaruba, Simarubeae.

Simaruba amara. *Bitter-wood.* West Indies.

Solanum, Solanaceae.

Solanum capsicastrum. Brazil.

Sonerila, Melastomaceae.

Sonerila maculata. Himalaya.

Sophora, Leguminosae.

Sophora tetraptera. New Zealand.

Sparmannia, Tiliaceae.

Sparmannia africana. *African Hemp.* S. Africa.

Spathiphyllum, Aroideae.

Spathiphyllum cannaefolium. South America.
" floribundum. Colombia.
" pictum. South America.
" Wallisii. New Grenada.

Stenocarpus, Proteaceae.

Stenocarpus salignus. *Beef-wood.* Australia.

Sterculia, Sterculiaceae.

Sterculia diversifolia. *Bottle-tree.* Australia.

Strelitzia, Scitamineae.

(*Bird-of-Paradise Flower, Bird's-tongue Flower.*)

Strelitzia Nicolai. South Africa.
" parvifolia var. juncea. South Africa.
" reginae. South Africa
" Reginae var. ovata.

Streptocarpus, Gesneraceae.

Streptocarpus Gardeni. *Cape Primrose.* S. Africa.

Streptosolon, Solanaceae.

Streptosolon Jamesoni. Colombia.

A CORNER OF THE CHRYSANTHEMUM SHOW.

Stromanthe, Scitamineae.

Stromanthe porteana. Brazil.
" " var. compacta.
" sanguinea (syn. maranta.) Brazil.

Swainsona, Leguminosae.

Swainsona coronillifolia. Australia.

Tacca, Taccaceae.

Tacca cristata. Malaya.

Tacsonia, Passifloreae.

Tacsonia splendens. *Passion flower.*

Talisia, Sapindaceae.

Talisia princeps. South America.

Tamarindus, Leguminosae.

Tamarindus indica. *Tamarind.* Trop. Asia and Africa.

Tecoma, Bignoniaceae.

(*Trumpet Flowers.*)

Tecoma jasminoides. Australia.
" Smithii.

Telanthera, Amarantaceae.

(*Alternantheras.*)

Telanthera ficoidea. Tropical America.
(*Numerous garden forms only.*)

Terminalia Combretaceae.

Terminalia australis. *Myrobalan-tree.*

Thalia, Scitamineae.

Thalia dealbata. South Carolina, etc.

Theobroma, Sterculiaceae.

Theobroma Cacao. *Cocoa Plant, Chocolate-nut-tree.* Trinidad, etc.

Theophrasta, Myrsineae.

Theophrasta imperialis. West Indies.

Thibaudia, Vacciniaceae.

Thibaudia coccinea.

Thunbergia, Acanthaceae.

Thunbergia erecta. Tropical Africa.
" laurifolia. Malaya.

Thyrsacanthus, Acanthaceae.

Thyrsacanthus rutilans. *Thyrse flower.* Colombia.

Tibouchina, Melastomaceae.

Tibouchina urvilleana.

Trevesia, Araliaceae.

Trevesia palmata. India.
" pubescens.

Tristania, Myrtaceae.

Tristania conferta. Australia.

Ulex, Leguminosae.

Ulex Jussaei. *Gorse, Furze.*

Vallota, Amaryllideae.

Vallota purpurea. *Scarborough Lily.* So. Africa.

Watsonia, Irideae.

Watsonia humilis. *Bugle Lily.* South Africa.
" Meriana. South Africa.

Xanthosoma, Aroideae.

Xanthosoma Lindeni. Colombia.
" " var. magnificum.
" maculatum. Tropical America.
" robustum. Mexico.
" violaceum. West Indies.

Zamioculcas, Ariodeae.

Zamioculcas Loddigesii. Tropical Africa.

Zebrina, Commelinaceae.

Zebrina pendula. Mexico.

Zephyranthes, Amaryllideae.

(*Flower of the West Wind.*)

Zephyranthes chloroleuca.
" tubispatha. W. Ind. and Colombia

Zingiber, Scitamineae.

Zingiber officinale. *Ginger.* Tropical Asia.

PPHOR